CTC-026 LTSPICE Standard.JFT File

LTSPICE Standard.jft File Background

The initial install of LTSpice comes with a limited set of JFET models stored in a filed called Standard.jft. This file is typically stored in location: C:\Users\YourUserName\Documents\LTspiceXVII\lib\cmp\standard.jft. InterFET recommends replacing this file with a more complete compilation of JFET models from a wide range of manufacturers. This compilation of JFET models is sorted by part numbers and lists the manufacturer in the part name with a "-" suffix. When the model manufacturer is unknown a "-GEN" is listed for Generic part. All of the models from the original LTSpice Standard.jft file are included in this newer file. The complete list of over 600 JFET models are listed below for your reference.

Standard.jft File

JFET Model Summary

.MODEL 2N2608-NSC PJF VTO=-2.5 BETA=0.42m LAMBDA=15m RD=1 RS=1 CGS=8.4p CGD=6.7p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3370-NSC NJF VTO=-0.65 BETA=0.77m LAMBDA=9m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3458-NSC NJF VTO=-3.1 BETA=0.7m LAMBDA=6m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3459-NSC NJF VTO=-1.4 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3684-NSC NJF VTO=-3.2 BETA=0.35m LAMBDA=12m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3685-NSC NJF VTO=-1.7 BETA=0.54m LAMBDA=5.8m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3686-NSC NJF VTO=-0.96 BETA=0.72m LAMBDA=2.3m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3687-NSC NJF VTO=-0.51 BETA=0.84m LAMBDA=1.2m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3819-VSH NJF VTO=-3 BETA=1.3m LAMBDA=2.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0099f M=0.36 B=1 NLEV=2 MFG=VISHAY
.MODEL 2N3821-IFT NJF VTO=-1.2 BETA=1.7m LAMBDA=1.8m RS=56 CGS=6p CGD=6p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2N3821-NSC NJF VTO=-0.85 BETA=1.5m LAMBDA=2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3822-NSC NJF VTO=-2 BETA=1.1m LAMBDA=4.1m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3823-NSC NJF VTO=-3.3 BETA=1.2m LAMBDA=4m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3824-NSC NJF VTO=-2.1 BETA=0.44m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3921-NSC NJF VTO=-1.8 BETA=1.6m LAMBDA=4m RD=1 RS=1 CGS=4.4p CGD=8.8p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3954-NSC NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3966-NSC NJF VTO=-4.9 BETA=0.65m LAMBDA=15m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3967-NSC NJF VTO=-2.5 BETA=0.75m LAMBDA=3.7m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3970-NSC NJF VTO=-4.5 BETA=4m LAMBDA=23m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3971-NSC NJF VTO=-2.6 BETA=6.3m LAMBDA=13m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N3972-NSC NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4084-NSC NJF VTO=-1.8 BETA=1.6m LAMBDA=4m RD=1 RS=1 CGS=4.4p CGD=8.8p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4091-PLP NJF VTO=-8 BETA=1.6m LAMBDA=10m RD=0.83 RS=0.83 CGS=8.8p CGD=14p PB=0.77 IS=0.655f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4092-PLP NJF VTO=-2.2 BETA=4.2m LAMBDA=64m RD=1.1 RS=1.1 CGS=8.3p CGD=8.3p PB=0.76 IS=0.491f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4093-PLP NJF VTO=-1.4 BETA=6.9m LAMBDA=40m RD=3.5 RS=3.5 CGS=8p CGD=8.3p PB=0.73 IS=0.692f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4117A-IFT NJF VTO=-1 BETA=0.058m LAMBDA=0.9m RS=500 CGS=1.1p CGD=1.1p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2N4117A-LS NJF VTO=-1.2 BETA=0.56m LAMBDA=7.5m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=31000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4117A-NSC NJF VTO=-1.1 BETA=0.049m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4117-FCD NJF VTO=-1.2 BETA=0.033m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.046f M=0.43 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N4117-LS NJF VTO=-1.2 BETA=0.033m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=90 ISR=51f KF=46000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems

Disclaimer: It is the Buyers responsibility for designing, validating and testing the end application under all field use cases and extreme use conditions. Guaranteeing the application meets required standards, regulatory compliance, and all safety and security requirements is the responsibility of the Buyer. These resources are subject to change without notice.

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL 2N4118A-IFT NJF VTO=-1.7 BETA=0.044m LAMBDA=1.2m RS=1000 CGS=1.1p CGD=1.1p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2N4118A-LS NJF VTO=-1.3 BETA=0.095m LAMBDA=7.5m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=77000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4118-FCD NJF VTO=-1.7 BETA=0.053m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.077f M=0.43 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N4118-LS NJF VTO=-1.7 BETA=0.053m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=77000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4119A-IFT NJF VTO=-3.9 BETA=0.036m LAMBDA=1.5m RS=1800 CGS=1.1p CGD=1.1p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2N4119A-LS NJF VTO=-4.5 BETA=0.022m LAMBDA=10m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=100000f M=0.44 B=1 MFG=Linear_Systems
.MODEL 2N4119-FCD NJF VTO=-2.5 BETA=0.068m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.1f M=0.43 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N4119-LS NJF VTO=-2.5 BETA=0.068m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=100000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4220-NSC NJF VTO=-1.2 BETA=0.82m LAMBDA=3.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4221-NSC NJF VTO=-2.1 BETA=0.73m LAMBDA=4.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4222-NSC NJF VTO=-4.1 BETA=0.44m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4223-NSC NJF VTO=-3.1 BETA=1m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4338-FCD NJF VTO=-0.66 BETA=0.78m LAMBDA=1.2m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0029f M=0.23 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N4338-LS NJF VTO=-0.66 BETA=0.78m LAMBDA=1.2m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=29000f M=0.23 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4339-IFT NJF VTO=-1.1 BETA=1m LAMBDA=1.8m RS=51 CGS=7p CGD=3.5p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2N4339-NSC NJF VTO=-1.2 BETA=0.56m LAMBDA=3.5m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4340-IFT NJF VTO=-1.8 BETA=1m LAMBDA=0.38m RS=90 CGS=7p CGD=7p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2N4340-NSC NJF VTO=-2 BETA=0.47m LAMBDA=7m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4341-NSC NJF VTO=-3.3 BETA=0.39m LAMBDA=14m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4381-NSC PJF VTO=-1.8 BETA=2.7m LAMBDA=15m RD=1 RS=1 CGS=8.3p CGD=6.6p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4391-LS NJF VTO=-5.3 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=4.8p CGD=5.4p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=40000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4391-PLP NJF VTO=-8 BETA=1.6m LAMBDA=10m RD=0.83 RS=0.83 CGS=8.3p CGD=13p PB=0.77 IS=0.655f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4392-LS NJF VTO=-2.8 BETA=5.8m LAMBDA=12m RD=1 RS=1 CGS=4.3p CGD=4.8p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=78000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4392-PLP NJF VTO=-2.2 BETA=4.2m LAMBDA=64m RD=1.1 RS=1.1 CGS=7.8p CGD=7.8p PB=0.76 IS=0.491f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4393-FCD NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=4.1p CGD=4.6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N4393-LS NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=4.1p CGD=4.6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=12000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4416-FCD NJF VTO=-3.1 BETA=0.99m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0074f M=0.36 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N4416-LS NJF VTO=-3.1 BETA=0.99m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=74000f M=0.36 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N4856A-NSC NJF VTO=-5.5 BETA=3.1m LAMBDA=11m RD=1 RS=1 CGS=5.1p CGD=5.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4856-PLP NJF VTO=-5.3 BETA=2.9m LAMBDA=62m RD=1.6 RS=1.6 CGS=11p CGD=13p PB=0.8 IS=1.19f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4857A-NSC NJF VTO=-3.1 BETA=6.3m LAMBDA=9.5m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4857-PLP NJF VTO=-3.2 BETA=5m LAMBDA=24m RD=1.5 RS=1.5 CGS=11p CGD=14p PB=0.57 IS=0.911f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4858A-NSC NJF VTO=-2.4 BETA=7.6m LAMBDA=8m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4858-PLP NJF VTO=-2.4 BETA=6.1m LAMBDA=53m RD=1.3 RS=1.3 CGS=11p CGD=11p PB=0.61 IS=0.99f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4859A-NSC NJF VTO=-5.4 BETA=3.1m LAMBDA=12m RD=1 RS=1 CGS=5.1p CGD=5.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4859-PLP NJF VTO=-5.3 BETA=2.9m LAMBDA=62m RD=1.6 RS=1.6 CGS=11p CGD=13p PB=0.8 IS=1.19f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL 2N4860A-NSC NJF VTO=-3 BETA=6.3m LAMBDA=10m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4860-PLP NJF VTO=-3.2 BETA=5m LAMBDA=24m RD=1.5 RS=1.5 CGS=11p CGD=14p PB=0.57 IS=0.911f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIP
.MODEL 2N4861A-NSC NJF VTO=-2.3 BETA=8.4m LAMBDA=8m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N4861-PLP NJF VTO=-2.4 BETA=6.1m LAMBDA=53m RD=1.3 RS=1.3 CGS=11p CGD=11p PB=0.61 IS=0.99f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIP

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL 2N5018-LS PJF VTO=-4.2 BETA=0.77m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=5000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N5018-NSC PJF VTO=-4.2 BETA=0.77m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5019-LS PJF VTO=-2.2 BETA=1.8m LAMBDA=24m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.11f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N5019-NSC PJF VTO=-2.2 BETA=1.8m LAMBDA=24m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5020-NSC PJF VTO=-0.84 BETA=1m LAMBDA=10m RD=1 RS=1 CGS=11p CGD=8.6p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5021-NSC PJF VTO=-1 BETA=2.7m LAMBDA=12m RD=1 RS=1 CGS=11p CGD=8.6p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5045-NSC NJF VTO=-2 BETA=1.3m LAMBDA=3.5m RD=1 RS=1 CGS=2.9p CGD=5.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5078-NSC NJF VTO=-4 BETA=0.85m LAMBDA=6.8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5103-NSC NJF VTO=-1.9 BETA=1.4m LAMBDA=3.2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5105-NSC NJF VTO=-2.5 BETA=1.5m LAMBDA=3.2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5114-FCD PJF VTO=-8.1 BETA=0.51m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.033f M=0.28 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N5114-LS PJF VTO=-8.1 BETA=0.51m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=33000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N5115-LS PJF VTO=-4.9 BETA=1m LAMBDA=32m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=67000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N5116-LS PJF VTO=-2.4 BETA=1.7m LAMBDA=25m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N5116-NSC PJF VTO=-2.4 BETA=1.7m LAMBDA=25m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5196-GEN NJF VTO=-2.1 BETA=0.85m LAMBDA=5m RD=0.9 RS=0.9 CGS=1.6p CGD=3.5p PB=1 IS=35f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0034f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL 2N5196-NSC NJF VTO=-2.3 BETA=0.81m LAMBDA=5m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5358-NSC NJF VTO=-0.8 BETA=1.1m LAMBDA=2.6m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5397-NSC NJF VTO=-3.7 BETA=1.2m LAMBDA=8m RD=1 RS=1 CGS=3.6p CGD=2.6p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5398-NSC NJF VTO=-3.3 BETA=1.2m LAMBDA=8m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5432-FCD NJF VTO=-5.4 BETA=9.1m LAMBDA=50m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.12f M=0.43 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL 2N5433-NSC NJF VTO=-4.2 BETA=12m LAMBDA=40m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5434-VSH NJF VTO=-1.9 BETA=18m LAMBDA=25m RD=1 RS=1 CGS=35p CGD=35p PB=1 IS=500f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5000f KF=0.001f M=0.43 B=1 NLEV=2 MFG=VISHAY
.MODEL 2N5452-NSC NJF VTO=-2 BETA=0.77m LAMBDA=2.5m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5460-SCX PJF VTO=-3.4 BETA=1m LAMBDA=10m RD=10 RS=10 CGS=5p CGD=5p PB=1 IS=1500f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-3m ALPHA=100u VK=300 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=SILICONIX
.MODEL 2N5461-SCX PJF VTO=-4.3 BETA=1.5m LAMBDA=10m RD=10 RS=10 CGS=5p CGD=5p PB=1 IS=1500f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-3m ALPHA=100u VK=300 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=SILICONIX
.MODEL 2N5462-SCX PJF VTO=-5.4 BETA=2m LAMBDA=10m RD=10 RS=10 CGS=5p CGD=5p PB=1 IS=1500f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-3m ALPHA=100u VK=300 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=SILICONIX
.MODEL 2N5484-SCX NJF VTO=-1.5 BETA=3m LAMBDA=10m RD=10 RS=10 CGS=4p CGD=4p PB=1 IS=250f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-3m ALPHA=100u VK=80 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=SILICONIX
.MODEL 2N5485-SCX NJF VTO=-2 BETA=3.5m LAMBDA=10m RD=10 RS=10 CGS=4p CGD=4p PB=1 IS=250f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-3m ALPHA=100u VK=80 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=SILICONIX
.MODEL 2N5486-SCX NJF VTO=-4 BETA=4m LAMBDA=10m RD=10 RS=10 CGS=4p CGD=4p PB=1 IS=250f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-3m ALPHA=100u VK=80 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=SILICONIX
.MODEL 2N5515-NSC NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5545-NSC NJF VTO=-2 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5556-NSC NJF VTO=-0.88 BETA=2.2m LAMBDA=3.8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5557-NSC NJF VTO=-1.8 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5558-NSC NJF VTO=-2.9 BETA=0.86m LAMBDA=6.8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5564-LS NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=68000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL 2N5565-NSC NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5902-NSC NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N5911-NSC NJF VTO=-2.7 BETA=2.2m LAMBDA=12m RD=1 RS=1 CGS=3.7p CGD=2.8p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL 2N6483-NSC NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL 2N6550-IFT NJF VTO=-1.4 BETA=70m LAMBDA=0.77m RS=2.4 CGS=39p CGD=37p PB=1 IS=50000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1200000u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL 2SJ109-GEN PJF VTO=-0.58 BETA=39m LAMBDA=4.3m RD=1 RS=1 CGS=61p CGD=68p PB=0.39 IS=15900f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=10u VK=100 ISR=160000f KF=0.11f M=0.26 B=1 NLEV=2 MFG=GENERIC
.MODEL 2SK118-GEN NJF VTO=-2.7 BETA=0.9m LAMBDA=0.33m RD=36 RS=36 CGS=6.6p CGD=5.7p PB=2 IS=11300f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=10u VK=100 ISR=110000f KF=0.001f M=0.45 B=1 NLEV=2 MFG=GENERIC
.MODEL BC264A-PLP NJF VTO=-1.1 BETA=1.7m LAMBDA=23m RD=9.1 RS=9.1 CGS=2.2p CGD=2.2p PB=0.98 IS=0.171f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BC264B-PLP NJF VTO=-1.8 BETA=1.2m LAMBDA=19m RD=9.8 RS=9.8 CGS=2.2p CGD=2.2p PB=0.77 IS=0.321f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BC264C-PLP NJF VTO=-2.1 BETA=1.2m LAMBDA=25m RD=17 RS=17 CGS=2.3p CGD=2.3p PB=0.93 IS=0.217f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BC264D-PLP NJF VTO=-2.3 BETA=1.1m LAMBDA=23m RD=7.8 RS=7.8 CGS=2p CGD=2.2p PB=0.99 IS=0.259f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF244A-GEN NJF VTO=-1.4 BETA=1.8m LAMBDA=2.7m RD=1 RS=1 CGS=3.7p CGD=3.4p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.014f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL BF244B-GEN NJF VTO=-2.3 BETA=1.6m LAMBDA=3.1m RD=1 RS=1 CGS=3.7p CGD=3.4p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.014f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL BF244C-GEN NJF VTO=-3.1 BETA=1.5m LAMBDA=3.8m RD=1 RS=1 CGS=3.7p CGD=3.4p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.014f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL BF245A-PLP NJF VTO=-1.7 BETA=1.2m LAMBDA=18m RD=9 RS=9 CGS=2.2p CGD=2.2p PB=0.78 IS=0.292f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF245B-PLP NJF VTO=-2.3 BETA=1.1m LAMBDA=23m RD=7.8 RS=7.8 CGS=2p CGD=2.2p PB=0.99 IS=0.259f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF245C-PLP NJF VTO=-5 BETA=0.54m LAMBDA=27m RD=12 RS=12 CGS=2p CGD=2p PB=1.2 IS=0.364f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF246A-PLP NJF VTO=-5.3 BETA=2.9m LAMBDA=62m RD=1.6 RS=1.6 CGS=11p CGD=13p PB=0.8 IS=1.19f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF256A-PLP NJF VTO=-2.1 BETA=1.1m LAMBDA=17m RD=14 RS=14 CGS=2.1p CGD=2.3p PB=0.77 IS=0.351f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF256B-PLP NJF VTO=-2.3 BETA=1.1m LAMBDA=23m RD=7.8 RS=7.8 CGS=2p CGD=2.2p PB=0.99 IS=0.259f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF256C-GEN NJF VTO=-3.1 BETA=1.4m LAMBDA=4.6m RD=1 RS=1 CGS=2.1p CGD=2.1p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.023f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL BF410A-PLP NJF VTO=-0.88 BETA=2m LAMBDA=15m RD=3.6 RS=3.6 CGS=2.8p CGD=4.3p PB=0.62 IS=106f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF410B-PLP NJF VTO=-1.9 BETA=1.5m LAMBDA=17m RD=3.1 RS=3.1 CGS=4.2p CGD=2.4p PB=0.72 IS=70.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF410C-PLP NJF VTO=-2.4 BETA=1.3m LAMBDA=17m RD=3 RS=3 CGS=3.4p CGD=2.7p PB=0.83 IS=56.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF410D-PLP NJF VTO=-3.2 BETA=1.2m LAMBDA=20m RD=2.6 RS=2.6 CGS=5.4p CGD=4.1p PB=0.86 IS=38.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF510-PLP NJF VTO=-0.88 BETA=2m LAMBDA=15m RD=3.6 RS=3.6 CGS=2.8p CGD=2.3p PB=0.62 IS=106f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF511-PLP NJF VTO=-1.9 BETA=1.5m LAMBDA=17m RD=3.1 RS=3.1 CGS=4.2p CGD=2.4p PB=0.72 IS=70.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF512-PLP NJF VTO=-2.4 BETA=1.3m LAMBDA=17m RD=3 RS=3 CGS=3.4p CGD=2.7p PB=0.83 IS=56.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF513-PLP NJF VTO=-3.2 BETA=1.2m LAMBDA=20m RD=2.6 RS=2.6 CGS=5.4p CGD=4.1p PB=0.86 IS=38.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF545A-PLP NJF VTO=-1.7 BETA=1.2m LAMBDA=18m RD=9 RS=9 CGS=2.2p CGD=2.2p PB=0.78 IS=0.292f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF545B-PLP NJF VTO=-2.3 BETA=1.1m LAMBDA=23m RD=7.8 RS=7.8 CGS=2p CGD=2.2p PB=0.99 IS=0.259f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF545C-PLP NJF VTO=-5 BETA=0.54m LAMBDA=27m RD=12 RS=12 CGS=2p CGD=2p PB=1.2 IS=0.364f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF556B-NXP NJF VTO=-2.3 BETA=1.1m LAMBDA=23m RD=7.8 RS=7.8 CGS=2p CGD=2.2p PB=0.99 IS=0.259f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NXP
.MODEL BF851A-PLP NJF VTO=-0.51 BETA=15m LAMBDA=36m RD=4.2 RS=4.2 CGS=6.3p CGD=6.3p PB=0.69 IS=0.41f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF851B-PLP NJF VTO=-0.64 BETA=14m LAMBDA=47m RD=3.6 RS=3.6 CGS=6p CGD=6p PB=0.71 IS=0.377f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF851C-PLP NJF VTO=-1.1 BETA=15m LAMBDA=45m RD=15 RS=15 CGS=6.6p CGD=6.6p PB=0.74 IS=0.416f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF861A-PLP NJF VTO=-0.51 BETA=15m LAMBDA=36m RD=4.2 RS=4.2 CGS=6.3p CGD=6.3p PB=0.69 IS=0.41f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF861B-PLP NJF VTO=-0.64 BETA=14m LAMBDA=47m RD=3.6 RS=3.6 CGS=6p CGD=6p PB=0.71 IS=0.377f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF861C-PLP NJF VTO=-1.1 BETA=15m LAMBDA=45m RD=15 RS=15 CGS=6.6p CGD=6.6p PB=0.74 IS=0.416f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BF862-PLP NJF VTO=-0.57 BETA=48m LAMBDA=37m RD=0.8 RS=7.5 CGS=8.3p CGD=7.4p PB=0.5 IS=425000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2m ALPHA=1000u VK=60 ISR=3000f KF=0.088f M=0.6 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFR30-PLP NJF VTO=-2.1 BETA=1.2m LAMBDA=25m RD=17 RS=17 CGS=2.3p CGD=2.3p PB=0.93 IS=0.217f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFR31-PLP NJF VTO=-1.1 BETA=1.7m LAMBDA=23m RD=9.1 RS=9.1 CGS=2.2p CGD=2.2p PB=0.98 IS=0.171f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFT46-PLP NJF VTO=-0.64 BETA=1.9m LAMBDA=22m RD=9.2 RS=9.2 CGS=2.2p CGD=2.2p PB=0.83 IS=0.169f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFU308-PLP NJF VTO=-3.2 BETA=3.3m LAMBDA=23m RD=1.5 RS=1.5 CGS=7.6p CGD=6.7p PB=0.78 IS=0.383f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL BFU309-PLP NJF VTO=-2.4 BETA=3.8m LAMBDA=38m RD=2.3 RS=2.3 CGS=7p CGD=6.2p PB=0.68 IS=0.303f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFU310-PLP NJF VTO=-3.8 BETA=2.9m LAMBDA=20m RD=1.5 RS=1.5 CGS=7.9p CGD=6.7p PB=0.76 IS=0.419f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFW10-PLP NJF VTO=-2.3 BETA=1.1m LAMBDA=23m RD=7.8 RS=7.8 CGS=2p CGD=2.2p PB=0.99 IS=0.259f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFW11-PLP NJF VTO=-2.1 BETA=1.2m LAMBDA=25m RD=17 RS=17 CGS=2.3p CGD=2.3p PB=0.93 IS=0.217f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFW12-PLP NJF VTO=-1.1 BETA=1.7m LAMBDA=23m RD=9.1 RS=9.1 CGS=2.2p CGD=2.2p PB=0.98 IS=0.171f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BFW13-PLP NJF VTO=-0.64 BETA=1.9m LAMBDA=22m RD=9.2 RS=9.2 CGS=2.2p CGD=2.2p PB=0.83 IS=0.169f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BSR56-PLP NJF VTO=-5.3 BETA=2.9m LAMBDA=62m RD=1.6 RS=1.6 CGS=11p CGD=13p PB=0.8 IS=1.19f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BSR57-PLP NJF VTO=-3.2 BETA=5m LAMBDA=24m RD=1.5 RS=1.5 CGS=11p CGD=14p PB=0.57 IS=0.911f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BSR58-PLP NJF VTO=-2.4 BETA=6.1m LAMBDA=53m RD=1.3 RS=1.3 CGS=11p CGD=11p PB=0.61 IS=0.99f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BSV78-PLP NJF VTO=-5.3 BETA=2.9m LAMBDA=62m RD=1.6 RS=1.6 CGS=11p CGD=13p PB=0.8 IS=1.19f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL BSV79-PLP NJF VTO=-5.4 BETA=3.3m LAMBDA=20m RD=2.4 RS=2.4 CGS=11p CGD=13p PB=0.7 IS=2.18f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL DN5564-GEN NJF VTO=-1.9 BETA=9m LAMBDA=7.5m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.53f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL DN5565-GEN NJF VTO=-1.9 BETA=9m LAMBDA=7.5m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.53f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL DN5566-GEN NJF VTO=-1.9 BETA=9m LAMBDA=7.5m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.53f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL DN5567-GEN NJF VTO=-2 BETA=9m LAMBDA=7.5m RD=1 RS=1 CGS=6.8p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.53f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4117A-GEN NJF VTO=-1.2 BETA=0.056m LAMBDA=7.5m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.031f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4117-GEN NJF VTO=-1.1 BETA=0.049m LAMBDA=7.5m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.026f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4118A-GEN NJF VTO=-1.3 BETA=0.095m LAMBDA=7.5m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.06f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4118-GEN NJF VTO=-1.3 BETA=0.085m LAMBDA=7.5m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.052f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4119A-GEN NJF VTO=-4.5 BETA=0.022m LAMBDA=10m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.0075f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4119-GEN NJF VTO=-4.3 BETA=0.018m LAMBDA=10m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.0048f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4392-GEN NJF VTO=-3.2 BETA=7.5m LAMBDA=10m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.44f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL FN4393-GEN NJF VTO=-2.1 BETA=8.4m LAMBDA=7.5m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.49f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL IF3602-IFT NJF VTO=-1.5 BETA=260m LAMBDA=1m RD=0.04 RS=0.04 CGS=600p CGD=1200p PB=0.75 IS=50000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1.8 NLEV=2 MFG=InterFET
.MODEL IFD89-IFT NJF VTO=-0.75 BETA=2.1m LAMBDA=9.7m RS=43 CGS=1.6p CGD=0.3p PB=1 IS=5000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=InterFET
.MODEL J105-GEN NJF VTO=-6.3 BETA=9m LAMBDA=50m RD=1 RS=1 CGS=140p CGD=140p PB=0.5 IS=304f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.7u VK=60 ISR=3000f KF=0.088f M=0.6 B=1 NLEV=2 MFG=GENERIC
.MODEL J106-GEN NJF VTO=-4 BETA=12m LAMBDA=40m RD=1 RS=1 CGS=140p CGD=140p PB=0.5 IS=304f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.7u VK=60 ISR=3000f KF=0.12f M=0.6 B=1 NLEV=2 MFG=GENERIC
.MODEL J107-GEN NJF VTO=-2.9 BETA=15m LAMBDA=30m RD=1 RS=1 CGS=140p CGD=140p PB=0.5 IS=304f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.7u VK=60 ISR=3000f KF=0.15f M=0.6 B=1 NLEV=2 MFG=GENERIC
.MODEL J108-PLP NJF VTO=-5.5 BETA=11m LAMBDA=100m RD=3.1 RS=3.1 CGS=28p CGD=43p PB=0.59 IS=6.9f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J109-PLP NJF VTO=-5.6 BETA=7.6m LAMBDA=140m RD=0.71 RS=0.71 CGS=27p CGD=46p PB=0.58 IS=1.77f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J110-PLP NJF VTO=-2.8 BETA=12m LAMBDA=170m RD=1 RS=1 CGS=28p CGD=38p PB=0.46 IS=4.43f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J111-LS NJF VTO=-4 BETA=2.9m LAMBDA=18m RD=1 RS=1 CGS=5.7p CGD=6.5p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=38000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J111-PLP NJF VTO=-5.4 BETA=3.3m LAMBDA=20m RD=2.4 RS=2.4 CGS=11p CGD=13p PB=0.7 IS=2.18f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J112-LS NJF VTO=-2.1 BETA=5.7m LAMBDA=13m RD=1 RS=1 CGS=5.7p CGD=6.5p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=76000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J112-PLP NJF VTO=-2.3 BETA=6m LAMBDA=23m RD=2.3 RS=2.3 CGS=11p CGD=12p PB=0.61 IS=0.888f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J113-LS NJF VTO=-1.4 BETA=9.1m LAMBDA=8m RD=1 RS=1 CGS=5.7p CGD=6.5p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=12000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J113-PLP NJF VTO=-1.3 BETA=9.3m LAMBDA=30m RD=1.3 RS=1.3 CGS=11p CGD=12p PB=0.5 IS=0.987f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J114-GEN NJF VTO=-4.9 BETA=0.91m LAMBDA=20m RD=1 RS=1 CGS=4.6p CGD=4.5p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.014f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J174-LS PJF VTO=-6.6 BETA=0.81m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=53000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J174-PLP PJF VTO=-7.2 BETA=1.2m LAMBDA=20m RD=4 RS=4 CGS=16p CGD=19p PB=0.37 IS=0.973f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL J175-LS PJF VTO=-3.8 BETA=1m LAMBDA=28m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=67000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J175-PLP PJF VTO=-3.6 BETA=2.8m LAMBDA=20m RD=12 RS=12 CGS=16p CGD=17p PB=0.32 IS=0.774f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J176-LS PJF VTO=-1.8 BETA=2.3m LAMBDA=21m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=150000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J176-PLP PJF VTO=-2.3 BETA=2.9m LAMBDA=20m RD=1 RS=1 CGS=10p CGD=11p PB=0.71 IS=0.451f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J177-LS PJF VTO=-1.4 BETA=3.3m LAMBDA=18m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=21000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J177-PLP PJF VTO=-1.8 BETA=3.4m LAMBDA=24m RD=1.5 RS=1.5 CGS=8.9p CGD=10p PB=0.69 IS=0.728f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J201-GEN NJF VTO=-0.6 BETA=1.6m LAMBDA=2.2m RD=1 RS=1 CGS=3p CGD=4.7p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.6f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J201-LS NJF VTO=-0.93 BETA=1.1m LAMBDA=6.8m RD=10 RS=12 CGS=1p CGD=1p PB=0.8 IS=1.72f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J202-GEN NJF VTO=-1.6 BETA=0.99m LAMBDA=7m RD=1 RS=1 CGS=3p CGD=4.7p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.36f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J202-LS NJF VTO=-1.8 BETA=0.88m LAMBDA=8.5m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=2.56f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J203-GEN NJF VTO=-5.4 BETA=0.3m LAMBDA=17m RD=1 RS=1 CGS=3p CGD=4.7p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.1f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J204-GEN NJF VTO=-1.1 BETA=1m LAMBDA=3.3m RD=1 RS=1 CGS=5.4p CGD=3.6p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.17f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J204-LS NJF VTO=-1.1 BETA=1m LAMBDA=3.3m RD=1 RS=1 CGS=5.4p CGD=3.6p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=17000f M=0.36 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J210-GEN NJF VTO=-1.5 BETA=2.2m LAMBDA=8.8m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.86f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J210-LS NJF VTO=-1.5 BETA=2.2m LAMBDA=8.8m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=86000f M=0.35 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J211-GEN NJF VTO=-2.9 BETA=1.8m LAMBDA=10m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.7f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J211-LS NJF VTO=-2.9 BETA=1.8m LAMBDA=10m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=70000f M=0.35 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J212-GEN NJF VTO=-5 BETA=0.87m LAMBDA=16m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.34f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J212-LS NJF VTO=-5 BETA=870m LAMBDA=16m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=34000f M=0.35 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J230-GEN NJF VTO=-1.7 BETA=0.64m LAMBDA=7.3m RD=1 RS=1 CGS=3.9p CGD=2.6p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.16f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J231-GEN NJF VTO=-2.1 BETA=1m LAMBDA=8.7m RD=1 RS=1 CGS=3.9p CGD=2.6p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.26f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J232-GEN NJF VTO=-2.3 BETA=1.5m LAMBDA=10m RD=1 RS=1 CGS=3.9p CGD=2.6p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.4f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J270-GEN PJF VTO=-1 BETA=4.2m LAMBDA=16m RD=1 RS=1 CGS=15p CGD=11p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=1.6f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J271-GEN PJF VTO=-2.5 BETA=1.6m LAMBDA=25m RD=1 RS=1 CGS=15p CGD=11p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.62f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N2608-GEN PJF VTO=-2.5 BETA=0.42m LAMBDA=15m RD=1 RS=1 CGS=8.4p CGD=6.7p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.29f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N2609-GEN PJF VTO=-1.4 BETA=3.2m LAMBDA=19m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.21f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3329-GEN PJF VTO=-2.1 BETA=0.46m LAMBDA=12m RD=1 RS=1 CGS=9.9p CGD=8p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.31f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3330-GEN PJF VTO=-2.7 BETA=0.5m LAMBDA=18m RD=1 RS=1 CGS=9.9p CGD=8p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.31f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3331-GEN PJF VTO=-4.4 BETA=0.38m LAMBDA=25m RD=1 RS=1 CGS=9.9p CGD=8p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.42f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3332-GEN PJF VTO=-2.6 BETA=0.53m LAMBDA=14m RD=1 RS=1 CGS=9.9p CGD=8p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.18f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3369-GEN NJF VTO=-2.1 BETA=0.34m LAMBDA=11m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0012f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3370-GEN NJF VTO=-0.65 BETA=0.77m LAMBDA=9m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0029f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3458-GEN NJF VTO=-3.1 BETA=0.7m LAMBDA=6m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0026f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3459-GEN NJF VTO=-1.4 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0048f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3460-GEN NJF VTO=-0.55 BETA=2m LAMBDA=2m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0077f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3684-GEN NJF VTO=-3.2 BETA=0.35m LAMBDA=12m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0013f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3685-GEN NJF VTO=-1.7 BETA=0.54m LAMBDA=5.8m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.002f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3686-GEN NJF VTO=-0.96 BETA=0.72m LAMBDA=2.3m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0027f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3687-GEN NJF VTO=-0.51 BETA=0.84m LAMBDA=1.2m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0031f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3819A-GEN NJF VTO=-3 BETA=1.3m LAMBDA=2.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0099f M=0.36 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL J2N3819-GEN NJF VTO=-3 BETA=1.3m LAMBDA=2.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0099f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3820-GEN PJF VTO=-2.5 BETA=1.3m LAMBDA=40m RD=1 RS=1 CGS=17p CGD=13p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.92f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3821-GEN NJF VTO=-0.85 BETA=1.5m LAMBDA=2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.014f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3822-GEN NJF VTO=-2 BETA=1.1m LAMBDA=4.1m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.01f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3823-GEN NJF VTO=-3.3 BETA=1.2m LAMBDA=4m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0088f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3824-GEN NJF VTO=-2.1 BETA=0.44m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0038f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3921-GEN NJF VTO=-1.8 BETA=1.6m LAMBDA=4m RD=1 RS=1 CGS=4.4p CGD=8.8p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.034f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3922-GEN NJF VTO=-1.8 BETA=1.6m LAMBDA=4m RD=1 RS=1 CGS=4.4p CGD=8.8p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.034f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3954A-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3954-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3955A-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3955-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3956-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3957-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3958-GEN NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.026f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3966-GEN NJF VTO=-4.9 BETA=0.65m LAMBDA=15m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0076f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3967A-GEN NJF VTO=-2.5 BETA=0.75m LAMBDA=3.7m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0068f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3967-GEN NJF VTO=-2.5 BETA=0.75m LAMBDA=3.7m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0068f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3968A-GEN NJF VTO=-1.4 BETA=1.1m LAMBDA=2.7m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.01f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3968-GEN NJF VTO=-1.4 BETA=1.1m LAMBDA=2.7m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.01f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3969A-GEN NJF VTO=-0.73 BETA=1.6m LAMBDA=1.5m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.015f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3969-GEN NJF VTO=-0.73 BETA=1.6m LAMBDA=1.5m RD=1 RS=1 CGS=3.7p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.015f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3970-GEN NJF VTO=-4.5 BETA=4m LAMBDA=23m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.053f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3971-GEN NJF VTO=-2.6 BETA=6.3m LAMBDA=13m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N3972-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4084-GEN NJF VTO=-1.8 BETA=1.6m LAMBDA=4m RD=1 RS=1 CGS=4.4p CGD=8.8p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.034f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4085-GEN NJF VTO=-1.8 BETA=1.6m LAMBDA=4m RD=1 RS=1 CGS=4.4p CGD=8.8p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.034f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4091-GEN NJF VTO=-5.7 BETA=2.7m LAMBDA=11m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.034f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4092-GEN NJF VTO=-2.9 BETA=4m LAMBDA=10m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.053f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4093-GEN NJF VTO=-2 BETA=5.7m LAMBDA=8m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.076f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4117A-GEN NJF VTO=-1.1 BETA=0.049m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.071f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4117-GEN NJF VTO=-1.2 BETA=0.033m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.046f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4118A-GEN NJF VTO=-1.7 BETA=0.053m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.077f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4118-GEN NJF VTO=-1.7 BETA=0.053m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.077f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4119A-GEN NJF VTO=-2.5 BETA=0.068m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.1f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4119-GEN NJF VTO=-2.5 BETA=0.068m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.1f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4220A-GEN NJF VTO=-1.2 BETA=0.82m LAMBDA=3.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0075f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4220-GEN NJF VTO=-1.2 BETA=0.82m LAMBDA=3.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0075f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4221A-GEN NJF VTO=-2.1 BETA=0.73m LAMBDA=4.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0066f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4221-GEN NJF VTO=-2.1 BETA=0.73m LAMBDA=4.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0066f M=0.31 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL J2N4222A-GEN NJF VTO=-4.1 BETA=0.44m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0038f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4222-GEN NJF VTO=-4.1 BETA=0.44m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0038f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4223-GEN NJF VTO=-3.1 BETA=1m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0078f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4224-GEN NJF VTO=-3.1 BETA=1m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0078f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4338-GEN NJF VTO=-0.66 BETA=0.78m LAMBDA=1.2m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0029f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4339-GEN NJF VTO=-1.2 BETA=0.56m LAMBDA=3.5m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0021f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4340-GEN NJF VTO=-2 BETA=0.47m LAMBDA=7m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0017f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4341-GEN NJF VTO=-3.3 BETA=0.39m LAMBDA=14m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0014f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4381-GEN PJF VTO=-1.8 BETA=2.7m LAMBDA=15m RD=1 RS=1 CGS=8.3p CGD=6.6p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=1.2f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4391-GEN NJF VTO=-5.8 BETA=2.7m LAMBDA=13m RD=1 RS=1 CGS=4.8p CGD=5.4p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.034f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4392-GEN NJF VTO=-3 BETA=5.1m LAMBDA=10m RD=1 RS=1 CGS=4.3p CGD=4.8p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.068f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4393-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=4.1p CGD=4.6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4416A-GEN NJF VTO=-3.1 BETA=0.99m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0074f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4416-GEN NJF VTO=-3.1 BETA=0.99m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0074f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4856A-GEN NJF VTO=-5.5 BETA=3.1m LAMBDA=11m RD=1 RS=1 CGS=5.1p CGD=5.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4856-GEN NJF VTO=-5.5 BETA=3.1m LAMBDA=11m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4857A-GEN NJF VTO=-3.1 BETA=6.3m LAMBDA=9.5m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4857-GEN NJF VTO=-3.1 BETA=6.3m LAMBDA=9.5m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4858A-GEN NJF VTO=-2.4 BETA=7.6m LAMBDA=8m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.1f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4858-GEN NJF VTO=-2.4 BETA=7.6m LAMBDA=8m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.1f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4859A-GEN NJF VTO=-5.4 BETA=3.1m LAMBDA=12m RD=1 RS=1 CGS=5.1p CGD=5.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4859-GEN NJF VTO=-5.4 BETA=3.1m LAMBDA=12m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4860A-GEN NJF VTO=-3 BETA=6.3m LAMBDA=10m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4860-GEN NJF VTO=-3 BETA=6.3m LAMBDA=10m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4861A-GEN NJF VTO=-2.3 BETA=8.4m LAMBDA=8m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.11f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4861-GEN NJF VTO=-2.3 BETA=8.4m LAMBDA=8m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.11f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4867A-GEN NJF VTO=-1.1 BETA=0.61m LAMBDA=7m RD=1 RS=1 CGS=12p CGD=8p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.0054f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4867-GEN NJF VTO=-1.1 BETA=0.61m LAMBDA=7m RD=1 RS=1 CGS=12p CGD=8p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.048f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4868A-GEN NJF VTO=-1.6 BETA=0.77m LAMBDA=6.7m RD=1 RS=1 CGS=12p CGD=8p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.01f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4868-GEN NJF VTO=-1.6 BETA=0.77m LAMBDA=6.7m RD=1 RS=1 CGS=12p CGD=8p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.1f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4869A-GEN NJF VTO=-2.5 BETA=0.89m LAMBDA=10m RD=1 RS=1 CGS=12p CGD=8p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.014f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N4869-GEN NJF VTO=-2.5 BETA=0.89m LAMBDA=10m RD=1 RS=1 CGS=12p CGD=8p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=0.12f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5018-GEN PJF VTO=-4.2 BETA=0.77m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.05f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5019-GEN PJF VTO=-2.2 BETA=1.8m LAMBDA=24m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.11f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5020-GEN PJF VTO=-0.84 BETA=1m LAMBDA=10m RD=1 RS=1 CGS=11p CGD=8.6p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.56f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5021-GEN PJF VTO=-1 BETA=2.7m LAMBDA=12m RD=1 RS=1 CGS=11p CGD=8.6p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=1.5f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5045-GEN NJF VTO=-2 BETA=1.3m LAMBDA=3.5m RD=1 RS=1 CGS=2.9p CGD=5.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.045f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5046-GEN NJF VTO=-2 BETA=1.3m LAMBDA=3.5m RD=1 RS=1 CGS=2.9p CGD=5.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.045f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5047-GEN NJF VTO=-2 BETA=1.3m LAMBDA=3.5m RD=1 RS=1 CGS=2.9p CGD=5.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.045f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5078-GEN NJF VTO=-4 BETA=0.85m LAMBDA=6.8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0064f M=0.36 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL J2N5103-GEN NJF VTO=-1.9 BETA=1.4m LAMBDA=3.2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.011f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5104-GEN NJF VTO=-1.5 BETA=1.9m LAMBDA=3.2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.015f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5105-GEN NJF VTO=-2.5 BETA=1.5m LAMBDA=3.2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.011f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5114-GEN PJF VTO=-8.1 BETA=0.51m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.033f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5115-GEN PJF VTO=-4.9 BETA=1m LAMBDA=32m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.067f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5116-GEN PJF VTO=-2.4 BETA=1.7m LAMBDA=25m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.11f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5196-GEN NJF VTO=-2.3 BETA=0.81m LAMBDA=5m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5197-GEN NJF VTO=-2.3 BETA=0.81m LAMBDA=5m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5198-GEN NJF VTO=-2.3 BETA=0.81m LAMBDA=5m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5199-GEN NJF VTO=-2.3 BETA=0.81m LAMBDA=5m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5245-GEN NJF VTO=-2.4 BETA=1.4m LAMBDA=8m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.022f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5246-GEN NJF VTO=-1.3 BETA=1.9m LAMBDA=7.7m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.031f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5247-GEN NJF VTO=-3.5 BETA=1.1m LAMBDA=10m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.017f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5248-GEN NJF VTO=-3.6 BETA=0.85m LAMBDA=6.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0064f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5358-GEN NJF VTO=-0.8 BETA=1.1m LAMBDA=2.6m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0099f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5359-GEN NJF VTO=-1.1 BETA=760m LAMBDA=3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.01f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5360-GEN NJF VTO=-1.7 BETA=0.7m LAMBDA=3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0063f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5361-GEN NJF VTO=-2.7 BETA=0.48m LAMBDA=3.8m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0042f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5362-GEN NJF VTO=-3.3 BETA=0.43m LAMBDA=4.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0043f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5363-GEN NJF VTO=-4.9 BETA=0.38m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0033f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5364-GEN NJF VTO=-5.8 BETA=0.35m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0029f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5397-GEN NJF VTO=-3.7 BETA=1.2m LAMBDA=8m RD=1 RS=1 CGS=3.6p CGD=2.6p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.02f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5398-GEN NJF VTO=-3.3 BETA=1.2m LAMBDA=8m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.02f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5432-GEN NJF VTO=-5.4 BETA=9.1m LAMBDA=50m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.12f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5433-GEN NJF VTO=-4.2 BETA=12m LAMBDA=40m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.17f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5434-GEN NJF VTO=-1.9 BETA=18m LAMBDA=25m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.25f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5452-GEN NJF VTO=-2 BETA=0.77m LAMBDA=2.5m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5453-GEN NJF VTO=-2 BETA=0.77m LAMBDA=2.5m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5454-GEN NJF VTO=-2 BETA=0.77m LAMBDA=2.5m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0037f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5457-GEN NJF VTO=-1.4 BETA=1.1m LAMBDA=2.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.01f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5458-GEN NJF VTO=-2.9 BETA=0.49m LAMBDA=3.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0043f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5459-GEN NJF VTO=-4.5 BETA=0.38m LAMBDA=4.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0032f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5460-GEN PJF VTO=-1.8 BETA=1.1m LAMBDA=20m RD=1 RS=1 CGS=2.9p CGD=2.3p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.67f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5461-GEN PJF VTO=-1.9 BETA=1.7m LAMBDA=23m RD=1 RS=1 CGS=2.9p CGD=2.3p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=1.1f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5462-GEN PJF VTO=-2.3 BETA=2m LAMBDA=28m RD=1 RS=1 CGS=2.9p CGD=2.3p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=1.3f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5484-GEN NJF VTO=-1.2 BETA=2.2m LAMBDA=2.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.017f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5485-GEN NJF VTO=-2.5 BETA=1m LAMBDA=4.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0078f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5486-GEN NJF VTO=-3.9 BETA=0.74m LAMBDA=9.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0055f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5515-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.017f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5516-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.017f M=0.49 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL J2N5517-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.017f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5518-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.017f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5519-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.017f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5520-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5521-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5522-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5523-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5524-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5545-GEN NJF VTO=-2 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.056f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5546-GEN NJF VTO=-2 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.068f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5547-GEN NJF VTO=-2 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=1.6p CGD=3.3p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.068f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5555-GEN NJF VTO=-5.7 BETA=0.64m LAMBDA=30m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0046f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5556-GEN NJF VTO=-0.88 BETA=2.2m LAMBDA=3.8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.017f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5557-GEN NJF VTO=-1.8 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.01f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5558-GEN NJF VTO=-2.9 BETA=0.86m LAMBDA=6.8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0067f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5561-GEN NJF VTO=-1.4 BETA=1.6m LAMBDA=8m RD=1 RS=1 CGS=7.5p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0047f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5562-GEN NJF VTO=-1.4 BETA=1.6m LAMBDA=8m RD=1 RS=1 CGS=7.5p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0047f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5563-GEN NJF VTO=-1.4 BETA=1.6m LAMBDA=8m RD=1 RS=1 CGS=7.5p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0047f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5564-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=0.068f M=0.47 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5565-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=0.068f M=0.47 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5566-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=0.068f M=0.47 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5638-GEN NJF VTO=-4.9 BETA=3.5m LAMBDA=18m RD=1 RS=1 CGS=6p CGD=6.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.046f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5639-GEN NJF VTO=-3.3 BETA=5.1m LAMBDA=13m RD=1 RS=1 CGS=5.5p CGD=6.2p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.068f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5640-GEN NJF VTO=-2.2 BETA=7m LAMBDA=8m RD=1 RS=1 CGS=5.3p CGD=6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.093f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5653-GEN NJF VTO=-5.1 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=5.6p CGD=6.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5654-GEN NJF VTO=-3.3 BETA=4.6m LAMBDA=13m RD=1 RS=1 CGS=5.2p CGD=5.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.06f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5668-GEN NJF VTO=-1.2 BETA=2.2m LAMBDA=2.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.017f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5669-GEN NJF VTO=-2.5 BETA=1.1m LAMBDA=5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0086f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5670-GEN NJF VTO=-4.3 BETA=0.68m LAMBDA=11m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0052f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5902-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5903-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5904-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5905-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.7m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5906-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5907-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5908-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5909-GEN NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5911-GEN NJF VTO=-2.7 BETA=2.2m LAMBDA=12m RD=1 RS=1 CGS=3.7p CGD=2.8p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=910f KF=0.036f M=0.37 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5912-GEN NJF VTO=-2.7 BETA=2.2m LAMBDA=12m RD=1 RS=1 CGS=3.7p CGD=2.8p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=910f KF=0.036f M=0.37 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5949-GEN NJF VTO=-4.3 BETA=0.66m LAMBDA=14m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.005f M=0.36 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL J2N5950-GEN NJF VTO=-3.9 BETA=0.7m LAMBDA=11m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0053f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5951-GEN NJF VTO=-3.4 BETA=0.74m LAMBDA=7.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0056f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5952-GEN NJF VTO=-2 BETA=1.3m LAMBDA=4m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.01f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N5953-GEN NJF VTO=-1.4 BETA=1.6m LAMBDA=2.4m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.013f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N6483-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N6484-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N6485-GEN NJF VTO=-2.5 BETA=0.52m LAMBDA=0.3m RD=1 RS=1 CGS=15p CGD=8p PB=0.5 IS=52.8f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=19u VK=250 ISR=520f KF=0.0039f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N6905-GEN NJF VTO=-1.2 BETA=4m LAMBDA=10m RD=1 RS=1 CGS=4.1p CGD=4.1p PB=1 IS=43.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=63u VK=150 ISR=420f KF=0.058f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N6906-GEN NJF VTO=-1.2 BETA=4m LAMBDA=10m RD=1 RS=1 CGS=4.1p CGD=4.1p PB=1 IS=43.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=63u VK=150 ISR=420f KF=0.058f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL J2N6907-GEN NJF VTO=-1.2 BETA=4m LAMBDA=10m RD=1 RS=1 CGS=4.1p CGD=4.1p PB=1 IS=43.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=63u VK=150 ISR=420f KF=0.058f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL J2SK117-GEN NJF VTO=-0.86 BETA=27m LAMBDA=2.5m RD=12 RS=12 CGS=14p CGD=7.8p PB=1.2 IS=11300f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=10u VK=100 ISR=110000f KF=0.001f M=0.38 B=1 NLEV=2 MFG=GENERIC
.MODEL J2SK152-GEN NJF VTO=-1.1 BETA=23m LAMBDA=33m RD=9 RS=9 CGS=5.9p CGD=3.6p PB=1 IS=5190f AF=0.8 FC=0.5 BETATCE=-0.5 N=1 NR=860 XTI=3 VTOTC=-2.5m ALPHA=440u VK=82 ISR=52000f KF=0.0026f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL J2SK170-GEN NJF VTO=-0.5 BETA=60m LAMBDA=1.9m RD=4.2 RS=4.2 CGS=25p CGD=20p PB=0.47 IS=8480f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=10u VK=100 ISR=85000f KF=0.11f M=0.38 B=1 NLEV=2 MFG=GENERIC
.MODEL J2SK389BL-GEN NJF VTO=-2.5 BETA=6m LAMBDA=1.2m RD=5 RS=4.5 CGS=71p CGD=19p PB=1 IS=6.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J300-GEN NJF VTO=-3.2 BETA=1.2m LAMBDA=8m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.02f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL J304-GEN NJF VTO=-3.5 BETA=0.73m LAMBDA=10m RD=1 RS=1 CGS=2.2p CGD=2.2p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0056f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J305-GEN NJF VTO=-1.4 BETA=2.1m LAMBDA=6.7m RD=1 RS=1 CGS=2.2p CGD=2.2p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.016f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL J308-LS NJF VTO=-3.1 BETA=3.7m LAMBDA=16m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=51000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J308-PLP NJF VTO=-3.2 BETA=3.3m LAMBDA=23m RD=1.5 RS=1.5 CGS=7.1p CGD=6.2p PB=0.78 IS=0.383f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J309-LS NJF VTO=-2.1 BETA=4.7m LAMBDA=15m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=64000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J309-PLP NJF VTO=-2.4 BETA=3.8m LAMBDA=38m RD=2.3 RS=2.3 CGS=6.5p CGD=5.7p PB=0.68 IS=0.303f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J310A-GEN NJF VTO=-3.4 BETA=3.4m LAMBDA=17m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=0.046f M=0.46 B=1 NLEV=2 MFG=GENERIC
.MODEL J310-LS NJF VTO=-3.4 BETA=3.4m LAMBDA=17m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=46000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL J310-PLP NJF VTO=-3.8 BETA=2.9m LAMBDA=20m RD=1.5 RS=1.5 CGS=7.4p CGD=6.2p PB=0.76 IS=0.419f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=PHILIPS
.MODEL J401-NSC NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL J402-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J403-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J404-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J405-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J406-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL J410-NSC NJF VTO=-2 BETA=0.86m LAMBDA=3.5m RD=1 RS=1 CGS=1p CGD=2p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL J411-GEN NJF VTO=-2 BETA=0.86m LAMBDA=3.5m RD=1 RS=1 CGS=1p CGD=2p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0088f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL J412-GEN NJF VTO=-2 BETA=0.86m LAMBDA=3.5m RD=1 RS=1 CGS=1p CGD=2p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0088f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL KP103E-RUS PJF VTO=-0.8 BETA=0.8m LAMBDA=20m RD=40 RS=7 CGS=12p CGD=27p PB=1 IS=12200f AF=0.7 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP103I-RUS PJF VTO=-1.5 BETA=0.68m LAMBDA=20m RD=40 RS=7 CGS=12p CGD=27p PB=1 IS=12200f AF=0.7 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP103J-RUS PJF VTO=-1.2 BETA=0.72m LAMBDA=20m RD=40 RS=7 CGS=12p CGD=27p PB=1 IS=12200f AF=0.7 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP103K-RUS PJF VTO=-2 BETA=0.6m LAMBDA=20m RD=40 RS=7 CGS=12p CGD=27p PB=1 IS=12200f AF=0.7 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP103L-RUS PJF VTO=-2.5 BETA=0.55m LAMBDA=20m RD=40 RS=7 CGS=12p CGD=27p PB=1 IS=12200f AF=0.7 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP103M-RUS PJF VTO=-3.2 BETA=0.5m LAMBDA=20m RD=40 RS=7 CGS=12p CGD=27p PB=1 IS=12200f AF=0.7 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP302A-RUS NJF VTO=-2 BETA=2.5m LAMBDA=30m RD=15 RS=3 CGS=12p CGD=25p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.4f M=0.5 B=1 NLEV=2 MFG=USSR

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL KP303A-RUS NJF VTO=-0.9 BETA=1.6m LAMBDA=20m RD=30 RS=35 CGS=5p CGD=4p PB=1 IS=100f AF=1.4 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.1f M=0.5 B=1.2 NLEV=2 MFG=USSR
.MODEL KP303B-RUS NJF VTO=-2 BETA=2m LAMBDA=20m RD=30 RS=35 CGS=5p CGD=4p PB=1 IS=100f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=1f M=0.5 B=1.2 NLEV=2 MFG=USSR
.MODEL KP303G-RUS NJF VTO=-2.5 BETA=1m LAMBDA=25m RD=22 RS=17 CGS=5p CGD=4p PB=0.5 IS=115f AF=1.3 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.07f M=0.5 B=1.2 NLEV=2 MFG=USSR
.MODEL KP307A-RUS NJF VTO=-1.5 BETA=2.3m LAMBDA=15m RD=20 RS=15 CGS=5p CGD=1.5p PB=0.5 IS=115f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP307B-RUS NJF VTO=-2.2 BETA=2m LAMBDA=15m RD=20 RS=15 CGS=5p CGD=1.5p PB=0.5 IS=115f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP365-RUS NJF VTO=-1.2 BETA=10m LAMBDA=30m RD=8 RS=8 CGS=4p CGD=5p PB=1 IS=50000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=2f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KP903A-RUS NJF VTO=-6 BETA=13m LAMBDA=10m RD=0.3 RS=0.36 CGS=80p CGD=80p PB=1 IS=1000000f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.03f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KPS104A-RUS NJF VTO=-0.4 BETA=2m LAMBDA=5m RD=20 RS=15 CGS=4p CGD=1.2p PB=0.5 IS=115f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KPS104G-RUS NJF VTO=-1.5 BETA=1m LAMBDA=10m RD=20 RS=15 CGS=4p CGD=1.2p PB=0.5 IS=115f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL KPS104V-RUS NJF VTO=-0.9 BETA=1.5m LAMBDA=8m RD=20 RS=15 CGS=4p CGD=1.2p PB=0.5 IS=115f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=USSR
.MODEL LS3954A-LS NJF VTO=-0.93 BETA=1.1m LAMBDA=6.8m RD=10 RS=12 CGS=1p CGD=1p PB=0.8 IS=1.72f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS3955-LS NJF VTO=-1.8 BETA=0.88m LAMBDA=8.5m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=2.56f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS3956-LS NJF VTO=-2.6 BETA=0.81m LAMBDA=14m RD=10 RS=12 CGS=1p CGD=1p PB=0.8 IS=2.5f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS3958-LS NJF VTO=-2 BETA=0.77m LAMBDA=4.3m RD=1 RS=1 CGS=0.86p CGD=1.7p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=26000f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5301-LS NJF VTO=-1.8 BETA=0.073m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=11000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5905-LS NJF VTO=-0.64 BETA=0.23m LAMBDA=3.8m RD=25 RS=32 CGS=1p CGD=1p PB=0.8 IS=0.18f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5906-LS NJF VTO=-1.4 BETA=0.15m LAMBDA=4.2m RD=17 RS=21 CGS=1p CGD=1p PB=0.8 IS=1.24f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5907-LS NJF VTO=-2 BETA=0.1m LAMBDA=4.1m RD=16 RS=20 CGS=1p CGD=1p PB=0.8 IS=1.14f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5908-LS NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5909-LS NJF VTO=-1.7 BETA=0.12m LAMBDA=0.9m RD=1 RS=1 CGS=1.2p CGD=1.2p PB=1 IS=16.3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.026u VK=210 ISR=160f KF=0.3f M=0.33 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5911-LS NJF VTO=-1.6 BETA=2.8m LAMBDA=12m RD=7 RS=9 CGS=1p CGD=1p PB=0.8 IS=2.71f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5912C-LS NJF VTO=-4 BETA=1.5m LAMBDA=19m RD=7 RS=9 CGS=1p CGD=1p PB=0.8 IS=3.39f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS5912-LS NJF VTO=-2.4 BETA=2m LAMBDA=10m RD=7 RS=8 CGS=1p CGD=1p PB=0.8 IS=3.99f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS830-LS NJF VTO=-0.64 BETA=0.23m LAMBDA=3.8m RD=25 RS=32 CGS=1p CGD=1p PB=0.8 IS=0.18f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS831-LS NJF VTO=-1.4 BETA=0.15m LAMBDA=4.2m RD=17 RS=21 CGS=1p CGD=1p PB=0.8 IS=1.24f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS832-LS NJF VTO=-2 BETA=0.1m LAMBDA=4.1m RD=16 RS=20 CGS=1p CGD=1p PB=0.8 IS=1.14f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS840-LS NJF VTO=-1.8 BETA=0.88m LAMBDA=8.5m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=2.56f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS841-LS NJF VTO=-1.8 BETA=0.88m LAMBDA=8.5m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=2.56f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS842-LS NJF VTO=-2.6 BETA=0.81m LAMBDA=14m RD=10 RS=12 CGS=1p CGD=1p PB=0.8 IS=2.5f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS843-LS NJF VTO=-0.99 BETA=2.4m LAMBDA=4.1m RD=13 RS=14 CGS=1p CGD=1p PB=0.8 IS=11.9f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS844-LS NJF VTO=-2.3 BETA=1.6m LAMBDA=7.2m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=1.65f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LS845-LS NJF VTO=-3.3 BETA=1.5m LAMBDA=9.1m RD=11 RS=12 CGS=1p CGD=1p PB=0.8 IS=1.77f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSJ289A-LS PJF VTO=-1.4 BETA=3.5m LAMBDA=1.1m RD=110 RS=40 CGS=9p CGD=10p PB=0.25 IS=0.45f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0011f M=0.3 B=1 NLEV=3 GDSNOI=3 MFG=Linear_Systems
.MODEL LSJ289B-LS PJF VTO=-1.8 BETA=3m LAMBDA=2m RD=99 RS=37 CGS=9p CGD=10p PB=0.25 IS=0.45f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0011f M=0.3 B=1 NLEV=3 GDSNOI=3 MFG=Linear_Systems
.MODEL LSJ289C-LS PJF VTO=-3.1 BETA=2.5m LAMBDA=2m RD=70 RS=30 CGS=9p CGD=10p PB=0.25 IS=0.45f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0011f M=0.3 B=1 NLEV=3 GDSNOI=3 MFG=Linear_Systems
.MODEL LSJ689A-LS PJF VTO=-1.4 BETA=3.5m LAMBDA=1.1m RD=110 RS=40 CGS=9p CGD=10p PB=0.25 IS=0.45f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0011f M=0.3 B=1 NLEV=3 GDSNOI=3 MFG=Linear_Systems
.MODEL LSJ689B-LS PJF VTO=-1.8 BETA=3m LAMBDA=2m RD=99 RS=37 CGS=9p CGD=10p PB=0.25 IS=0.45f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0011f M=0.3 B=1 NLEV=3 GDSNOI=3 MFG=Linear_Systems
.MODEL LSJ689C-LS PJF VTO=-3.1 BETA=2.5m LAMBDA=2m RD=70 RS=30 CGS=9p CGD=10p PB=0.25 IS=0.45f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0011f M=0.3 B=1 NLEV=3 GDSNOI=3 MFG=Linear_Systems
.MODEL LSJ74A-LS PJF VTO=-0.38 BETA=38m LAMBDA=3m RD=7.7 RS=7.7 CGS=78p CGD=86p PB=0.39 IS=13000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=10u VK=100 KF=27000f M=0.32 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSJ74B-LS PJF VTO=-0.84 BETA=9m LAMBDA=3m RD=5 RS=4.5 CGS=53p CGD=120p PB=1 IS=6.32f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL LSJ74C-LS PJF VTO=-1.3 BETA=11m LAMBDA=4m RD=7.7 RS=7.7 CGS=78p CGD=86p PB=0.39 IS=13000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=10u VK=100 ISR=10f KF=27000f M=0.32 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSJ74D-LS PJF VTO=-1.8 BETA=9.4m LAMBDA=3.8m RD=7.7 RS=7.7 CGS=78p CGD=86p PB=0.39 IS=13000f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=10u VK=100 ISR=10f KF=27000f M=0.32 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK170A-GEN NJF VTO=-0.4 BETA=38m LAMBDA=4.8m RD=11 RS=6.9 CGS=41p CGD=40p PB=0.98 IS=35.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL LSK170A-LS NJF VTO=-0.4 BETA=38m LAMBDA=4.8m RD=11 RS=7 CGS=41p CGD=40p PB=0.98 IS=35.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.79 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK170B-GEN NJF VTO=-0.54 BETA=35m LAMBDA=5m RD=7.8 RS=7 CGS=44p CGD=44p PB=1.2 IS=27.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL LSK170B-LS NJF VTO=-0.54 BETA=35m LAMBDA=5m RD=8 RS=7 CGS=44p CGD=44p PB=1.2 IS=27.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.89 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK170C-GEN NJF VTO=-0.8 BETA=28m LAMBDA=12m RD=12 RS=5.8 CGS=42p CGD=42p PB=0.93 IS=24.5f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.004f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL LSK170C-LS NJF VTO=0.8 BETA=28m LAMBDA=12m RD=12 RS=6 CGS=42p CGD=42p PB=0.92 IS=24.5f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.61 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK189A-LS NJF VTO=-1.1 BETA=2.2m LAMBDA=4.3m RD=11 RS=30 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=30u VK=120 KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK189B-LS NJF VTO=-1.8 BETA=2.1m LAMBDA=5.7m RD=11 RS=40 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK189C-LS NJF VTO=-2.8 BETA=2.1m LAMBDA=6.3m RD=11 RS=55 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK389A-GEN NJF VTO=-0.4 BETA=38m LAMBDA=4.8m RD=11 RS=6.9 CGS=41p CGD=40p PB=0.98 IS=35.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL LSK389A-LS NJF VTO=-0.4 BETA=38m LAMBDA=4.8m RD=11 RS=7 CGS=41p CGD=40p PB=0.98 IS=35.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.79 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK389B-GEN NJF VTO=-0.54 BETA=35m LAMBDA=5m RD=7.8 RS=7 CGS=44p CGD=44p PB=1.2 IS=27.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.005f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL LSK389B-LS NJF VTO=-0.54 BETA=35m LAMBDA=5m RD=8 RS=7 CGS=44p CGD=44p PB=1.2 IS=27.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.89 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK389C-GEN NJF VTO=-0.8 BETA=28m LAMBDA=12m RD=12 RS=5.8 CGS=42p CGD=42p PB=0.93 IS=24.5f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.004f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL LSK389C-LS NJF VTO=0.8 BETA=28m LAMBDA=12m RD=12 RS=6 CGS=42p CGD=42p PB=0.92 IS=24.5f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.61 B=1 NLEV=2 MFG=Linear_Systems
.MODEL LSK489A-LS NJF VTO=-1.1 BETA=2.2m LAMBDA=4.3m RD=11 RS=30 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=30u VK=120 KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK489B-LS NJF VTO=-1.8 BETA=2.1m LAMBDA=5.7m RD=11 RS=40 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK489C-LS NJF VTO=-2.8 BETA=2.1m LAMBDA=6.3m RD=11 RS=55 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK589A-LS NJF VTO=-1.1 BETA=2.2m LAMBDA=4.3m RD=11 RS=30 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=30u VK=120 KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK589B-LS NJF VTO=-1.8 BETA=2.1m LAMBDA=5.7m RD=11 RS=40 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL LSK589C-LS NJF VTO=-2.8 BETA=2.1m LAMBDA=6.3m RD=11 RS=55 CGS=2.9p CGD=3.2p PB=0.8 IS=3f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0009f M=0.32 B=1 NLEV=3 GDSNOI=2.2 MFG=Linear_Systems
.MODEL MMBF4391-ONS NJF VTO=-4.6 BETA=28m LAMBDA=6m RD=1 RS=1 CGS=11p CGD=14p PB=1 IS=10f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=MOTOROLA
.MODEL MPF102A-GEN NJF VTO=-3.4 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.012f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF102D-GEN NJF VTO=-3.4 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.012f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF103-GEN NJF VTO=-1.9 BETA=0.56m LAMBDA=3.5m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.005f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF104-GEN NJF VTO=-2.9 BETA=0.49m LAMBDA=3.8m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0043f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF105-GEN NJF VTO=-4.5 BETA=0.38m LAMBDA=4.2m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0032f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF106-GEN NJF VTO=-2.2 BETA=1.5m LAMBDA=2.3m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.012f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF107-GEN NJF VTO=-3.7 BETA=0.82m LAMBDA=8m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0063f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF108-GEN NJF VTO=-2.8 BETA=0.74m LAMBDA=3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0067f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF109-GEN NJF VTO=-3.5 BETA=0.44m LAMBDA=3.9m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0037f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF110-GEN NJF VTO=-3.6 BETA=0.77m LAMBDA=9m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.012f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF111-GEN NJF VTO=-3.9 BETA=770m LAMBDA=9m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.012f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF112-GEN NJF VTO=-3.9 BETA=0.38m LAMBDA=4.1m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0032f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF256-GEN NJF VTO=-2.1 BETA=1.5m LAMBDA=7.6m RD=1 RS=1 CGS=3.4p CGD=3p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.024f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF2608-GEN PJF VTO=-2.5 BETA=0.42m LAMBDA=15m RD=1 RS=1 CGS=8.4p CGD=6.7p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.29f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF3330-GEN PJF VTO=-2.7 BETA=0.5m LAMBDA=18m RD=1 RS=1 CGS=9.9p CGD=8p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.31f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF3970-GEN NJF VTO=-4.5 BETA=4m LAMBDA=23m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.053f M=0.41 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL MPF3971-GEN NJF VTO=-2.6 BETA=6.3m LAMBDA=13m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF3972-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=9.3p CGD=10p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4091-GEN NJF VTO=-5.7 BETA=2.7m LAMBDA=11m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.034f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4092-GEN NJF VTO=-2.9 BETA=4m LAMBDA=10m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.053f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4093-GEN NJF VTO=-2 BETA=5.7m LAMBDA=8m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.076f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4117A-GEN NJF VTO=-1.1 BETA=0.049m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.071f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4117-GEN NJF VTO=-1.2 BETA=0.033m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.046f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4118A-GEN NJF VTO=-1.7 BETA=0.053m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.077f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4118-GEN NJF VTO=-1.7 BETA=0.053m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.077f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4119A-GEN NJF VTO=-2.5 BETA=0.068m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.1f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4119-GEN NJF VTO=-2.5 BETA=0.068m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.1f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4391-GEN NJF VTO=-5.8 BETA=2.7m LAMBDA=13m RD=1 RS=1 CGS=4.8p CGD=5.4p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.034f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4392-GEN NJF VTO=-3 BETA=5.1m LAMBDA=10m RD=1 RS=1 CGS=4.3p CGD=4.8p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.068f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4393-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=6m RD=1 RS=1 CGS=4.1p CGD=4.6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4856A-GEN NJF VTO=-5.5 BETA=3.1m LAMBDA=11m RD=1 RS=1 CGS=5.1p CGD=5.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4856-GEN NJF VTO=-5.5 BETA=3.1m LAMBDA=11m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4857A-GEN NJF VTO=-3.1 BETA=6.3m LAMBDA=9.5m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4857-GEN NJF VTO=-3.1 BETA=6.3m LAMBDA=9.5m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4858A-GEN NJF VTO=-2.4 BETA=7.6m LAMBDA=8m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.1f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4858-GEN NJF VTO=-2.4 BETA=7.6m LAMBDA=8m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.1f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4859A-GEN NJF VTO=-5.4 BETA=3.1m LAMBDA=12m RD=1 RS=1 CGS=5.1p CGD=5.7p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4859-GEN NJF VTO=-5.4 BETA=3.1m LAMBDA=12m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4860A-GEN NJF VTO=-3 BETA=6.3m LAMBDA=10m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4860-GEN NJF VTO=-3 BETA=6.3m LAMBDA=10m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4861A-GEN NJF VTO=-2.3 BETA=8.4m LAMBDA=8m RD=1 RS=1 CGS=4.7p CGD=5.3p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.11f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF4861-GEN NJF VTO=-2.3 BETA=8.4m LAMBDA=8m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.11f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL MPF820-GEN NJF VTO=-2.2 BETA=7m LAMBDA=10m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.093f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL NDF9406-NSC NJF VTO=-2.3 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.1p CGD=4.2p PB=1 IS=32.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL NDF9407-GEN NJF VTO=-2.3 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.1p CGD=4.2p PB=1 IS=32.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.000048u VK=120 ISR=320f KF=0.0053f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL NDF9408-GEN NJF VTO=-2.3 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.1p CGD=4.2p PB=1 IS=32.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.000048u VK=120 ISR=320f KF=0.0053f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL NDF9409-GEN NJF VTO=-2.3 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.1p CGD=4.2p PB=1 IS=32.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.000048u VK=120 ISR=320f KF=0.0053f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL NDF9410-GEN NJF VTO=-2.3 BETA=1m LAMBDA=2m RD=1 RS=1 CGS=2.1p CGD=4.2p PB=1 IS=32.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.000048u VK=120 ISR=320f KF=0.0053f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL NF5101-NSC NJF VTO=-0.74 BETA=12m LAMBDA=3m RD=1 RS=1 CGS=9.6p CGD=11p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL NF5102-NSC NJF VTO=-1 BETA=14m LAMBDA=8m RD=1 RS=1 CGS=9.6p CGD=11p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL NF5103-NSC NJF VTO=-1.4 BETA=14m LAMBDA=9m RD=1 RS=1 CGS=9.6p CGD=11p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL NF5301-1-GEN NJF VTO=-1.4 BETA=0.081m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.12f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL NF5301-2-GEN NJF VTO=-2.1 BETA=0.072m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL NF5301-3-GEN NJF VTO=-1.7 BETA=0.072m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL NF5301-NSC NJF VTO=-1.9 BETA=0.062m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL NPD5564-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=0.068f M=0.47 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL NPD5565-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=0.068f M=0.47 B=1 NLEV=2 MFG=GENERIC
.MODEL NPD5566-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=7.5m RD=1 RS=1 CGS=9.8p CGD=8.7p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=88u VK=170 ISR=920f KF=0.068f M=0.47 B=1 NLEV=2 MFG=GENERIC
.MODEL NPD8301-GEN NJF VTO=-2 BETA=0.86m LAMBDA=3.5m RD=1 RS=1 CGS=1p CGD=2p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0088f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL NPD8302-GEN NJF VTO=-2 BETA=0.86m LAMBDA=3.5m RD=1 RS=1 CGS=1p CGD=2p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0088f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL NPD8303-GEN NJF VTO=-2 BETA=0.86m LAMBDA=3.5m RD=1 RS=1 CGS=1p CGD=2p PB=1 IS=24.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=760u VK=270 ISR=240f KF=0.0088f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL P1086-GEN PJF VTO=-4.2 BETA=0.77m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.05f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL P1087-GEN PJF VTO=-2.2 BETA=1.8m LAMBDA=24m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.11f M=0.28 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5101-GEN NJF VTO=-0.76 BETA=12m LAMBDA=5m RD=1 RS=1 CGS=9.6p CGD=11p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.42f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5102-GEN NJF VTO=-0.97 BETA=14m LAMBDA=8m RD=1 RS=1 CGS=9.6p CGD=11p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.49f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5103-GEN NJF VTO=-1.4 BETA=14m LAMBDA=10m RD=1 RS=1 CGS=9.6p CGD=11p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.49f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5301-1-GEN NJF VTO=-1.4 BETA=0.095m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.15f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5301-2-GEN NJF VTO=-2.1 BETA=0.072m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5301-3-GEN NJF VTO=-2 BETA=0.072m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5301-GEN NJF VTO=-1.8 BETA=0.072m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PF5301-LS NJF VTO=-1.8 BETA=0.073m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=110000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN3684-GEN NJF VTO=-3.2 BETA=0.35m LAMBDA=12m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0013f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL PN3685-GEN NJF VTO=-1.7 BETA=0.54m LAMBDA=5.8m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.002f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL PN3686-GEN NJF VTO=-0.96 BETA=0.72m LAMBDA=2.3m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0027f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL PN3687-GEN NJF VTO=-0.51 BETA=0.84m LAMBDA=1.2m RD=1 RS=1 CGS=2.1p CGD=2p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0031f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4091-GEN NJF VTO=-5.5 BETA=2.4m LAMBDA=17m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.031f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4092-GEN NJF VTO=-3 BETA=5.1m LAMBDA=11m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.068f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4093-GEN NJF VTO=-2 BETA=8.5m LAMBDA=8m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.11f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4117A-GEN NJF VTO=-1.2 BETA=0.046m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.065f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4117-GEN NJF VTO=-1.4 BETA=0.03m LAMBDA=13m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.041f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4117-LS NJF VTO=-1.6 BETA=2.8m LAMBDA=12m RD=7 RS=9 CGS=1p CGD=1p PB=0.8 IS=2.71f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=46000f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4118A-GEN NJF VTO=-1.7 BETA=0.06m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.089f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4118-GEN NJF VTO=-1.7 BETA=0.06m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.089f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4118-LS NJF VTO=-2.4 BETA=2m LAMBDA=10m RD=7 RS=8 CGS=1p CGD=1p PB=0.8 IS=3.99f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=77000f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4119A-GEN NJF VTO=-2.5 BETA=0.072m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4119-GEN NJF VTO=-2.5 BETA=0.072m LAMBDA=19m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=0.11f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4119-LS NJF VTO=-4 BETA=1.5m LAMBDA=19m RD=7 RS=9 CGS=1p CGD=1p PB=0.8 IS=3.39f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=100000f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4120-GEN NJF VTO=-4.7 BETA=0.015m LAMBDA=10m RD=1 RS=1 CGS=4.5p CGD=4.5p PB=1 IS=4.48f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=18000u VK=350 ISR=44f KF=0.0035f M=0.44 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4220-GEN NJF VTO=-1.2 BETA=0.82m LAMBDA=3.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0075f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4221-GEN NJF VTO=-2.1 BETA=0.73m LAMBDA=4.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0066f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4222-GEN NJF VTO=-2.9 BETA=0.44m LAMBDA=5.3m RD=1 RS=1 CGS=4.6p CGD=4p PB=0.5 IS=181f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=2.5u VK=150 ISR=1700f KF=0.0038f M=0.31 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4223-GEN NJF VTO=-3.1 BETA=1m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0078f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4224-GEN NJF VTO=-3.3 BETA=1m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0078f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4302-GEN NJF VTO=-1.6 BETA=0.65m LAMBDA=6m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0024f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4303-GEN NJF VTO=-2.9 BETA=0.55m LAMBDA=9.5m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.002f M=0.23 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4304-GEN NJF VTO=-3.9 BETA=0.35m LAMBDA=17m RD=1 RS=1 CGS=2.9p CGD=2.8p PB=0.5 IS=115f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=510u VK=250 ISR=1100f KF=0.0013f M=0.23 B=1 NLEV=2 MFG=GENERIC

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL PN4342-GEN PJF VTO=-2 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=7.9p CGD=6.3p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.7f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4360-GEN PJF VTO=-2.1 BETA=4m LAMBDA=32m RD=1 RS=1 CGS=7.9p CGD=6.3p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=6.3f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4391-GEN NJF VTO=-5.3 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=4.8p CGD=5.4p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4391-LS NJF VTO=-5.3 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=4.8p CGD=5.4p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=40000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4392-GEN NJF VTO=-2.8 BETA=5.8m LAMBDA=12m RD=1 RS=1 CGS=4.3p CGD=4.8p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.078f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4392-LS NJF VTO=-2.8 BETA=5.8m LAMBDA=12m RD=1 RS=1 CGS=4.3p CGD=4.8p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=78000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4393-GEN NJF VTO=-1.4 BETA=9.1m LAMBDA=8m RD=1 RS=1 CGS=4.1p CGD=4.6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4393-LS NJF VTO=-1.4 BETA=9.1m LAMBDA=8m RD=1 RS=1 CGS=4.1p CGD=4.6p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=12000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4416-GEN NJF VTO=-3.1 BETA=0.99m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0074f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4416-LS NJF VTO=-3.1 BETA=0.99m LAMBDA=5.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=74000f M=0.36 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN4856-GEN NJF VTO=-5.7 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4857-GEN NJF VTO=-3 BETA=6.3m LAMBDA=13m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4858-GEN NJF VTO=-2.1 BETA=9.1m LAMBDA=10m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4859-GEN NJF VTO=-5.7 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4860-GEN NJF VTO=-3 BETA=6.3m LAMBDA=13m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN4861-GEN NJF VTO=-2.2 BETA=9.1m LAMBDA=10m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL PN5018-LS PJF VTO=-4.2 BETA=0.77m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=5000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN5019-LS PJF VTO=-2.2 BETA=1.8m LAMBDA=24m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.11f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN5033-GEN PJF VTO=-1.1 BETA=1.6m LAMBDA=12m RD=1 RS=1 CGS=10p CGD=8.2p PB=1 IS=222f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=30u VK=400 ISR=2200f KF=0.82f M=0.48 B=1 NLEV=2 MFG=GENERIC
.MODEL PN5114-LS PJF VTO=-8.1 BETA=0.51m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=33000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN5116-LS PJF VTO=-2.4 BETA=1.7m LAMBDA=25m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL PN5163-GEN NJF VTO=-3.8 BETA=1.2m LAMBDA=9m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0095f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL PN5432-GEN NJF VTO=-5.7 BETA=9.1m LAMBDA=50m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.12f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN5433-GEN NJF VTO=-4.4 BETA=12m LAMBDA=40m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.17f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL PN5434-GEN NJF VTO=-1.9 BETA=17m LAMBDA=20m RD=1 RS=1 CGS=36p CGD=36p PB=1 IS=534f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=150u VK=110 ISR=5200f KF=0.24f M=0.43 B=1 NLEV=2 MFG=GENERIC
.MODEL QSK389BL-GEN NJF VTO=-2.5 BETA=6m LAMBDA=1.2m RD=5 RS=4.5 CGS=71p CGD=19p PB=1 IS=6.32f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL QSK389-GEN NJF VTO=-2 BETA=20m LAMBDA=0.6m RD=7 RS=6.3 CGS=20p CGD=5.5p PB=1 IS=1.58f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL SST112-LS NJF VTO=-2.1 BETA=5.7m LAMBDA=13m RD=1 RS=1 CGS=5.7p CGD=6.5p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=76000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST113-LS NJF VTO=-1.4 BETA=9.1m LAMBDA=8m RD=1 RS=1 CGS=5.7p CGD=6.5p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=12000f M=0.41 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST174-LS PJF VTO=-6.6 BETA=0.81m LAMBDA=40m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=53000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST175-LS PJF VTO=-3.8 BETA=1m LAMBDA=28m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=67000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST176-LS PJF VTO=-1.8 BETA=2.3m LAMBDA=21m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=150000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST177-LS PJF VTO=-1.4 BETA=3.3m LAMBDA=18m RD=1 RS=1 CGS=9p CGD=6.5p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=21000f M=0.28 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST201-LS NJF VTO=-0.93 BETA=1.1m LAMBDA=6.8m RD=10 RS=12 CGS=1p CGD=1p PB=0.8 IS=1.72f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST202-LS NJF VTO=-1.8 BETA=0.88m LAMBDA=8.5m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=2.56f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST204-LS NJF VTO=-1.1 BETA=1m LAMBDA=3.3m RD=1 RS=1 CGS=5.4p CGD=3.6p PB=1 IS=29f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=700u VK=270 ISR=280f KF=17000f M=0.36 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST308-LS NJF VTO=-3.1 BETA=3.7m LAMBDA=16m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=51000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST309-LS NJF VTO=-2.1 BETA=4.7m LAMBDA=15m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=64000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST310-LS NJF VTO=-3.4 BETA=3.4m LAMBDA=17m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=46000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST401-LS NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=46000f M=0.39 B=1 NLEV=2 MFG=Linear_Systems

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL SST402-LS NJF VTO=-2.3 BETA=1.6m LAMBDA=7.2m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=1.65f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST403-LS NJF VTO=-3.3 BETA=1.5m LAMBDA=9.1m RD=11 RS=12 CGS=1p CGD=1p PB=0.8 IS=1.77f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST404-LS NJF VTO=-0.99 BETA=2.4m LAMBDA=4.1m RD=13 RS=14 CGS=1p CGD=1p PB=0.8 IS=11.9f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST405-LS NJF VTO=-2.3 BETA=1.6m LAMBDA=7.2m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=1.65f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST406-LS NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=46000f M=0.39 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST440-LS NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=28000f M=0.33 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST4416-GEN NJF VTO=-3.3 BETA=1.2m LAMBDA=1m RD=1 RS=35 CGS=1.5p CGD=1.7p PB=2.9 IS=10f AF=0.5 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.0024f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL SST441-LS NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=28000f M=0.33 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SST5301-LS NJF VTO=-1.8 BETA=0.073m LAMBDA=15m RD=1 RS=1 CGS=4.9p CGD=3.9p PB=1 IS=5.26f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.8u VK=90 ISR=51f KF=110000f M=0.44 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SSTJ210-LS NJF VTO=-1.5 BETA=2.2m LAMBDA=8.8m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=86000f M=0.35 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SSTJ211-LS NJF VTO=-2.9 BETA=1.8m LAMBDA=10m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=70000f M=0.35 B=1 NLEV=2 MFG=Linear_Systems
.MODEL SSTJ212-LS NJF VTO=-5 BETA=870m LAMBDA=16m RD=1 RS=1 CGS=3.5p CGD=3.9p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=34000f M=0.35 B=1 NLEV=2 MFG=Linear_Systems
.MODEL TIS58-GEN NJF VTO=-1.9 BETA=1.5m LAMBDA=2.5m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.011f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL TIS59-GEN NJF VTO=-4.1 BETA=0.76m LAMBDA=10m RD=1 RS=1 CGS=2.4p CGD=1.6p PB=1 IS=33.6f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=310u VK=240 ISR=320f KF=0.0059f M=0.36 B=1 NLEV=2 MFG=GENERIC
.MODEL TIS73-GEN NJF VTO=-5.6 BETA=3.1m LAMBDA=18m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.04f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL TIS74-GEN NJF VTO=-3.1 BETA=6.3m LAMBDA=13m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.084f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL TIS75-GEN NJF VTO=-2.2 BETA=9.1m LAMBDA=10m RD=1 RS=1 CGS=14p CGD=16p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.12f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U1897-GEN NJF VTO=-5.5 BETA=2.7m LAMBDA=18m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.036f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U1898-GEN NJF VTO=-3 BETA=5.1m LAMBDA=13m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.068f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U1899-GEN NJF VTO=-2.1 BETA=7.6m LAMBDA=10m RD=1 RS=1 CGS=7.1p CGD=7.9p PB=1 IS=205f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=21u VK=120 ISR=2000f KF=0.1f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U201-GEN NJF VTO=-2.5 BETA=8m LAMBDA=8m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.44f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL U202-GEN NJF VTO=-4 BETA=5.4m LAMBDA=10m RD=1 RS=1 CGS=12p CGD=5.8p PB=1 IS=82.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=150 ISR=790f KF=0.32f M=0.32 B=1 NLEV=2 MFG=GENERIC
.MODEL U257-NSC NJF VTO=-2.5 BETA=2.2m LAMBDA=12m RD=1 RS=1 CGS=3.7p CGD=2.8p PB=1 IS=94.4f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL U290-GEN NJF VTO=-6.3 BETA=9m LAMBDA=50m RD=1 RS=1 CGS=60p CGD=60p PB=0.5 IS=304f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.7u VK=60 ISR=3000f KF=0.088f M=0.6 B=1 NLEV=2 MFG=GENERIC
.MODEL U291-GEN NJF VTO=-3.6 BETA=15m LAMBDA=30m RD=1 RS=1 CGS=60p CGD=60p PB=0.5 IS=304f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=0.7u VK=60 ISR=3000f KF=0.15f M=0.6 B=1 NLEV=2 MFG=GENERIC
.MODEL U304-GEN PJF VTO=-5.8 BETA=1.5m LAMBDA=3m RD=1 RS=1 CGS=17p CGD=16p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.14f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U305-GEN PJF VTO=-4 BETA=1.8m LAMBDA=3.3m RD=1 RS=1 CGS=17p CGD=16p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.17f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U306-GEN PJF VTO=-2.1 BETA=2.5m LAMBDA=4.2m RD=1 RS=1 CGS=17p CGD=16p PB=1 IS=462f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=33u VK=390 ISR=4400f KF=0.24f M=0.41 B=1 NLEV=2 MFG=GENERIC
.MODEL U308-LS NJF VTO=-3.1 BETA=3.7m LAMBDA=16m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=51000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U308-NSC NJF VTO=-2.9 BETA=4.3m LAMBDA=16m RD=1 RS=1 CGS=5p CGD=5p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL U309-FCD NJF VTO=-2 BETA=5m LAMBDA=14m RD=1 RS=1 CGS=5p CGD=5p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=0.069f M=0.46 B=1 NLEV=2 MFG=FAIRCHILD
.MODEL U309-LS NJF VTO=-2.1 BETA=4.7m LAMBDA=15m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=64000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U310-LS NJF VTO=-3.4 BETA=3.4m LAMBDA=17m RD=1 RS=1 CGS=6.2p CGD=6.2p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=7.5u VK=74 ISR=1900f KF=46000f M=0.47 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U310-NSC NJF VTO=-3.3 BETA=3.7m LAMBDA=17m RD=1 RS=1 CGS=7.4p CGD=7.4p PB=1 IS=194f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL U311-GEN NJF VTO=-4.8 BETA=1.5m LAMBDA=2.9m RD=1 RS=1 CGS=6.5p CGD=6.5p PB=1 IS=24f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=55 ISR=230f KF=0.0058f M=0.45 B=1 NLEV=2 MFG=GENERIC
.MODEL U312-GEN NJF VTO=-3.7 BETA=1.2m LAMBDA=8m RD=1 RS=1 CGS=3.2p CGD=2.6p PB=1 IS=102f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=14u VK=88 ISR=980f KF=0.02f M=0.34 B=1 NLEV=2 MFG=GENERIC
.MODEL U401-LS NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=46000f M=0.39 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U401-NSC NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL U402-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL U402-LS NJF VTO=-2.3 BETA=1.6m LAMBDA=7.2m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=1.65f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems

CTC-026 LTSPICE Standard.JFT File

JFET Model Summary Continued

.MODEL U403-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL U403-LS NJF VTO=-3.3 BETA=1.5m LAMBDA=9.1m RD=11 RS=12 CGS=1p CGD=1p PB=0.8 IS=1.77f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U404-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL U404-LS NJF VTO=-0.99 BETA=2.4m LAMBDA=4.1m RD=13 RS=14 CGS=1p CGD=1p PB=0.8 IS=11.9f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U405-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL U405-LS NJF VTO=-2.3 BETA=1.6m LAMBDA=7.2m RD=11 RS=13 CGS=1p CGD=1p PB=0.8 IS=1.65f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f M=0.5 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U406-GEN NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=0.0046f M=0.39 B=1 NLEV=2 MFG=GENERIC
.MODEL U406-LS NJF VTO=-1.3 BETA=1.6m LAMBDA=10m RD=1 RS=1 CGS=6p CGD=5.6p PB=0.5 IS=19.7f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=69u VK=210 ISR=190f KF=46000f M=0.39 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U410-GEN NJF VTO=-1.9 BETA=0.8m LAMBDA=5m RD=1 RS=1 CGS=3p CGD=3p PB=1 IS=224f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=71u VK=180 ISR=2200f KF=0.05f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL U411-GEN NJF VTO=-1.9 BETA=0.8m LAMBDA=5m RD=1 RS=1 CGS=3p CGD=3p PB=1 IS=224f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=71u VK=180 ISR=2200f KF=0.05f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL U412-GEN NJF VTO=-1.9 BETA=0.8m LAMBDA=5m RD=1 RS=1 CGS=3p CGD=3p PB=1 IS=224f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=71u VK=180 ISR=2200f KF=0.05f M=0.49 B=1 NLEV=2 MFG=GENERIC
.MODEL U427-GEN NJF VTO=-1.3 BETA=0.43m LAMBDA=4m RD=1 RS=1 CGS=1.7p CGD=0.75p PB=1 IS=5.86f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=82u VK=190 ISR=56f KF=0.13f M=0.3 B=1 NLEV=2 MFG=GENERIC
.MODEL U428-GEN NJF VTO=-1.8 BETA=0.3m LAMBDA=6m RD=1 RS=1 CGS=1.7p CGD=0.75p PB=1 IS=5.86f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=82u VK=190 ISR=56f KF=0.082f M=0.3 B=1 NLEV=2 MFG=GENERIC
.MODEL U430-GEN NJF VTO=-2 BETA=5.4m LAMBDA=15m RD=1 RS=1 CGS=6.5p CGD=5.9p PB=1 IS=24f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=55 ISR=230f KF=0.032f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL U431-GEN NJF VTO=-2.8 BETA=5.4m LAMBDA=15m RD=1 RS=1 CGS=6.5p CGD=5.9p PB=1 IS=24f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=16u VK=55 ISR=230f KF=0.032f M=0.5 B=1 NLEV=2 MFG=GENERIC
.MODEL U440-LS NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=28000f M=0.33 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U440-NSC NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=1u VK=1 ISR=10f KF=0.001f M=0.5 B=1 NLEV=2 MFG=NSC
.MODEL U441-GEN NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=0.028f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL U441-LS NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=28000f M=0.33 B=1 NLEV=2 MFG=Linear_Systems
.MODEL U443-GEN NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=0.028f M=0.33 B=1 NLEV=2 MFG=GENERIC
.MODEL U444-GEN NJF VTO=-2.8 BETA=2m LAMBDA=30m RD=1 RS=1 CGS=2.5p CGD=2.1p PB=1 IS=36.2f AF=1 FC=0.5 BETATCE=-0.5 N=1 NR=2 XTI=3 VTOTC=-2.5m ALPHA=110u VK=110 ISR=350f KF=0.028f M=0.33 B=1 NLEV=2 MFG=GENERIC