CTC-022 RoHS Compliance

Overview

RoHS stands for Restriction of Hazardous Substances, and impacts the entire electronics industry. The original RoHS, also known as Directive 2002/95/EC, originated in the European Union in 2002 and restricts the use of six hazardous materials found in electrical and electronic products. This document was superseded with the recast RoHS directive 2011/65/EU also know as RoHS 2. In June 2015 the EU added 4 new restricted substances to the list under directive 2015/863 which amends the RoHS 2 specification. This directive has been identified as RoHS 3.

Compliance

All InterFET packaged and unpackaged end products meets the requirements of the latest RoHS 3 standard as summarized in the tables below. Most substances are not used in the InterFET process and are below the Measured Device Limits (MDL) of the testing equipment. In addition, the latest RoHS requires the use of the CE mark to demonstrate compliance for finished electronic equipment. The responsibility for achieving CE certification and affixing the CE mark resides on the manufacturer of the finished products only.

InterFET Bare Die (Wafer, COT, CFT) RoHS Compliance

Attribute	Bare Die	MDL	RoHS Limits	Unit
Cadmium (Cd)	ND(1)	2	< 100	PPM
Lead (Pb)	ND(1)	2	< 1000	PPM
Mercury (Hg)	ND(1)	2	< 1000	PPM
Hexavalent Chromium (Cr VI)	ND(1)	8	< 1000	PPM
Polybrominated Biphenyls (PBB)	ND(1)	5(2)	< 1000	PPM
Polybrominated Diphenyl Ethers (PBDE)	ND(1)	5(2)	< 1000	PPM
Bis(2-Ethylhexyl) phthalate (DEHP)	ND(1)	50	< 1000	PPM
Benzyl butyl phthalate (BBP)	ND(1)	50	< 1000	PPM
Dibutyl phthalate (DBP)	ND(1)	50	< 1000	PPM
Diisobutyl phthalate (DIBP)	ND(1)	50	< 1000	PPM

1. Not Detected to the Measured Device Limits (MDL). Tested Items are below the MDL Limits and well within the RoHS limitations.
2. Listed individual MDL limits for the sum of PBB and PBDE chemicals

InterFET Metal Can and Plastic Part RoHS Compliance

Attribute	Metal Can	Plastic Parts	MDL	RoHS Limits	Unit
Cadmium (Cd)	ND(1)	ND(1)	2	< 100	PPM
Lead (Pb)	ND(1)	238	2	< 1000	PPM
Mercury (Hg)	ND(1)	ND(1)	2	< 1000	PPM
Hexavalent Chromium (Cr VI)	ND(1)	ND(1)	8	< 1000	PPM
Polybrominated Biphenyls (PBB)	ND(1)	ND(1)	5(2)	< 1000	PPM
Polybrominated Diphenyl Ethers (PBDE)	ND(1)	ND(1)	5(2)	< 1000	PPM
Bis(2-Ethylhexyl) phthalate (DEHP)	ND(1)	ND(1)	50	< 1000	PPM
Benzyl butyl phthalate (BBP)	ND(1)	ND(1)	50	< 1000	PPM
Dibutyl phthalate (DBP)	ND(1)	ND(1)	50	< 1000	PPM
Diisobutyl phthalate (DIBP)	ND(1)	ND(1)	50	< 1000	PPM

1. Not Detected to the Measured Device Limits (MDL). Tested Items are below the MDL Limits and well within the RoHS limitations.
2. Listed individual MDL limits for the sum of PBB and PBDE chemicals

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.