

## RoHS 3 Certificate of Compliance

Optifuse fully supports the conformance to the requirements of RoHS 3, the European Restriction of Hazardous Substances in Electrical and Electronic Equipment Directive EU 2015/863, commonly known as RoHS- 10. Please see page two for a list of Optifuse products that have been deemed exempt.

Optifuse defines “RoHS 3 Compliant” to mean that banned substances are not intentionally added during the manufacturing process and finished products have upper concentrations within RoHS-10 acceptable limits.

We will continue to comply with and support any update to the European Unions’ Restriction on the Use of Hazardous Substances in Electrical and Electronics Equipment (RoHS-10) Directive, EU 2015/863.

Material declaration is as follows:

Material/Substance	% Threshold
Di-n-butyl phthalate (DBP)	0.100000000
Cadmium and cadmium compounds	0.010000000
Polybromobiphenyls, Polybrominatedbiphenyls (PBB)	0.100000000
Chromium VI compounds	0.100000000
Diisobutyl phthalate (DIBP)	0.100000000
Di(2-ethylhexyl) phthalate (DEHP)	0.100000000
Lead and lead compounds	0.100000000
Mercury and mercury compounds	0.100000000
Butyl Benzyl Phthalate (BBP)	0.100000000
Polybrominated diphenyl ethers (PBDEs)	0.100000000

Please contact our offices should you have further questions regarding our policies and procedures with respect to RoHS-10 materials. Thank you for your kind support of Optifuse.



Samuel Kenny  
Product Manager

## Exempt Products

The following glass and ceramic tube fuses are exempt from the RoHS standards as lead has been determined to be essential to their construction and effectiveness. The exemption can be found under Annex III section 7c1.

Part Number	Affected Amperages	Substance Name	CAS Number	Concentration
FCA	>20A	Lead	7439-92-1	>20%
FCD	≥10A	Lead	7439-92-1	>20%
FSA	>12A	Lead	7439-92-1	~19.595%
FSC	>12A	Lead	7439-92-1	~19.595%
FSC-P	≥10A	Lead	7439-92-1	~19.595%
FSD	>12A	Lead	7439-92-1	~19.595%
FSE	>8A	Lead	7439-92-1	~19.595%
FSE-P	>8A	Lead	7439-92-1	~19.595%
FSF-P	>8A	Lead	7439-92-1	~19.595%
FXG	<500mA	Lead	7439-92-1	~19.595%
MSC	>15A	Lead	7439-92-1	~19.595%
SCA	≥8A	Lead	7439-92-1	>20%
TCA	>15A	Lead	7439-92-1	>20%
TCD	≥10A	Lead	7439-92-1	>20%
TCF-P	>10A	Lead	7439-92-1	>20%
TSA	>15A	Lead	7439-92-1	~19.595%
TSC	>15A	Lead	7439-92-1	~19.595%
TSC-P	>12A	Lead	7439-92-1	~19.595%
TSD	≥10A	Lead	7439-92-1	~19.595%
TSE	>12A	Lead	7439-92-1	~19.595%
TSE-P	>12A	Lead	7439-92-1	~19.595%