



## RoHS DECLARATION OF CONFORMITY

### Certificate of Compliance

“Directive 2011/65/EU (the RoHS Directive) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment” superseding “Directive 2002/95/EC (the RoHS Directive) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003. The Certificate of Compliance includes Directive 2015/863 published in 2015 by the EU (often referred as RoHS 3) and Directive 2017/2102/EU published by the EU November 17, 2015.

Based on the information provided by our supply lines, and our certain knowledge pertaining to our own processes, products supplied by Ironwood Electronics, Inc. are RoHS compliant for orders placed on or after the January 1, 2006. Products supplied on or after January 3, 2013 are also RoHS compliant according the Directive 2011/65/EU, Directive 2015/863 and Directive 2017/2102/EU from the moment the respected directive came into force. Customer orders which explicitly required soldering with lead tin solder have been the sole exceptions to the Ironwood Electronics, Inc. RoHS compliance statement.

The confirmation of compliance status by our supply lines is granted for products which do not contain any of the restricted substances referred to in Annex VI in the RoHS Directive 2011/65/EU & Directive 2015/863 with a higher than maximum concentration values tolerated by weight in homogeneous materials

<b>EU RoHS Restricted Substance</b>	<b>Allowable Limit (at homogenous material level)</b>
Cadmium & its compounds (Cd)	100 ppm (0.01 weight %)
Mercury (Hg)	1000 ppm (0.10 weight %)
Lead (Pb)	1000 ppm (0.10 weight %)
Hexavalent Chromium (Cr6+)	1000 ppm (0.10 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.10 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.10 weight %)
Bis (2-Ethylhexyl) phthalate (DEHP)	1000 ppm (0.10 weight %)
Benzyl butyl phthalate (BBP)	1000 ppm (0.10 weight %)
Dibutyl phthalate (DBP)	1000 ppm (0.10 weight %)
Diisobutyl phthalate (DIBP)	1000 ppm (0.10 weight %)



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Allowable Exemptions:

- 6(a) Lead (Pb) as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight
- 6(b) Lead (Pb) as an alloying element in aluminum containing up to 0.4% lead by weight
- 6(c) Copper alloy containing up to 4% lead (Pb) by weight
- 7(a) Lead (Pb) in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
- 7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound
- 7(c)-II Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher
- 8(b) Cadmium and its compounds in electrical contacts
- 13(a) Lead in white glasses used for optical applications
- 15 Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages
- 37 Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body

Ironwood Electronics, Inc. has taken all reasonable steps to verify the supply line information regarding the absence of the restricted substances.

This Information is provided in good faith but without warranty, express or implied. The Information is provided by **Ironwood Electronics Inc.** without assumption of any liability. **Ironwood Electronics Inc.** has relied on information provided by suppliers and has not independently verified the information provided by others.

Regards,

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