Restriction of Hazardous Substances (RoHS)

Gowanda Electronics offers RoHS Compliant and Lead Free Alternatives.

Overview

In its ongoing commitment in supplying superior quality products to the magnetics industry and meeting worldwide environmental regulations Gowanda Electronics now offers RoHS compliant components produced in accordance with the RoHS-2 2011/65/EU and **RoHS 3 Directive (EU) 2015/863** European Parliament Restriction of Hazardous Substances Directive banning the use of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Disobutyl phthalate (DIBP) . Currently Gowanda uses only "lead solder alloys" in its products and does not plan to introduce any of the remaining banned substances into the future release of any new products.

Gowanda's Definition of a "Lead Free Component"

Gowanda defines a lead free component as one that is produced with a true 100% lead free solder alloy on both the internal joint connections and external lead finishes of the component. *Note: Gowanda Electronics does not claim the exemption outlined in paragraph 7 of the Annex table allowing a solder alloy of 85% lead or greater to be used in its lead free products. Please refer to the EU Directive for further information.*

EU Directive (PDF)

Gowanda's Definition of a RoHS Compliant Component

Gowanda defines an RoHS component the same as its Lead Free component. A lead free component can be considered as being RoHS compliant by meeting the .1% of the homogeneous material of the device requirement and in addition is also compatible with 260 degree C soldering processes; verified through internal product testing. In addition, upon request, Gowanda offers an RoHScompliant component using high temperature solder on the internal joint connections and a lead free finish on the external lead terminals. Contact the factory for details.

RoHS & Lead Free Marking

RoHS & Lead Free products will be identified using an "LF" (Lead Free) suffix following the part number tolerance; for example 10M472KLF this apply to our standard product. Custom parts may or may not follow the “LF” suffix. More information is available upon request. All bulk, reel and outer container labels will be identified in accordance with JESD97 marking standard for lead free products as shown.

Lead Free Solder Type

Gowanda has selected 3 types of Lead Free solder alloys dependent on product style. Please consult factory for specific type when placing order.
SnCu

Ordering
When ordering RoHS / Lead Free products the LF suffix must be assigned to the part number and identified on the purchase order as described in the marking example above.

Current Catalog Parts
Gowanda's current standard catalog product will remain unchanged and will continue to be available upon request.

Availability
RoHS / Lead Free products are currently available upon request. E-mail Gowanda sales at sales@gowanda.com or contact a customer service representative for details at (USA) 716-532-2234

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