



RoHS Compliant Products



Synergy Microwave's RoHS Compliant Products

Synergy Microwave Corporation fully supports the move to preserve & protect the environment by developing highly reliable new design techniques that have minimal or no impact to the environment and to the performance and application of our existing and future products. Most of our products when identified on the specification sheets or on the following page as stated on this guide will conform to the RoHS (Restriction of Hazardous Substances) directive set out by the European Union (EU).

What is RoHS Directive?

RoHS (Restriction of Hazardous Substances) directive prohibits the use of certain hazardous substances in electrical and electronic equipment. The 2002/95/EC directive was set out by the European Union (EU). The RoHS2 directive (2011/65/EU) in an evolution of the original directive became law on July 21, 2011 and took effect on January 2, 2013.

Synergy Microwave's RoHS compliant products will not contain the following hazardous substances:

- Lead (Pb): <1000ppm
- Cadmium (Cd): <100ppm
- Mercury (Hg): <1000ppm
- Hexavalent Chromium (CrVI): <1000ppm
- Polybrominated Biphenyl (PBB): <1000ppm
- Polybrominated Diphenyl Ether (PBDE): <1000ppm

Due diligence efforts are in place with our part suppliers to ensure our product is in compliance with the new RoHS Directive (EU) 2015/863 amending Annex II of the RoHS 2 Directive 2011/65/EU. Synergy Microwave Corporation has taken reasonable steps to procure RoHS complaint parts for manufacturing but may not have conducted destructive testing or chemical analysis on incoming materials.

The RoHS Directive (EU) 2015/863 restricts four additional phthalates; the listed substances are not intentionally added to our product.

- Bis (2-Ethylhexyl) phthalate (DEHP): <1000ppm
- Benzyl butyl phthalate (BBP): <1000ppm
- Dibutyl phthalate (DBP): <1000ppm
- Diisobutyl phthalate(DIBP): <1000ppm



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RoHS Product Distinction Guide

Here are some guidelines to distinguish between Synergy's RoHS compliant products from those which are not.

1. Synergy's products labeled with **REL-PRO**[®] designation are RoHS compliant as stated in the specification sheet. Please contact our sales and application team at (973) 881-8800 to get more information or licensing details on our patented **REL-PRO**[®] technology surface mount design.

2. Most of the legacy models are being converted to lead free RoHS compliant on an on-demand basis. These mature products, after conversion, are identified by the suffix "**LF**" after the date code. See note ***

Examples:

XXXX (Date code before conversion)

XXXXLF (Date code after conversion)

3. All products starting with prefixes "**SRD**", "**SMD-K**", "**SD**", "**SQ**" and "**ST**" having package outline number 134 are RoHS compliant.

To Order

1. If RoHS compliance is not specified on the specification sheet, contact our sales and application team to verify if the product is available with RoHS compliance.
2. When the RoHS compliance has been completed, a model number with the "**LF**" suffix is assigned to the product. Use this part number to place the order.
3. If the product has not been converted, notify our sales and application team to start the conversion process. Once this is complete, you will be notified and given a new model number for the product. Use this part number to place the order.

Note:

*** The physical dimension of the product will determine if the "**LF**" suffix can be added to the date code or not. "**LF**" designation may not be included in the marking of the product. RoHS compliance of the product you ordered can be confirmed by contacting our sales and application team via e-mail: sales@synergymwave.com or by phone at (973) 881-8800.