


MATERIAL DECLARATION



| | | | | |
|-----------------|--------------------------|-----|---|---|
| Material Number | RLB9012 SERIES (123~473) | | |  |
| Product Line | Radial Inductor | | | |
| Compliance Date | 2020/11/04 | | | |
| RoHS Compliant | YES | MSL | 1 | |

| No. | Construction Element(subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|-------------------------------|----------------------|---------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1 | CORE | Ferrite | 1.261 | Iron oxide | 1309-37-1 | 52.0 | 34.15 | 65.67 |
| | | | | Zinc oxide | 1314-13-2 | 15.0 | 9.85 | |
| | | | | Cupric oxide | 1317-38-0 | 17.0 | 11.16 | |
| | | | | Nickel oxide | 1313-99-1 | 16.0 | 10.51 | |
| 2 | Lead Wire | CP WIRE | 0.153 | Iron | 7439-89-6 | 76.0 | 6.06 | 7.97 |
| | | | | Copper | 7740-50-8 | 20.0 | 1.59 | |
| | | | | Tin | 7440-31-5 | 3.7 | 0.29 | |
| | | | | Nickel | 7740-02-0 | 0.3 | 0.02 | |
| 3 | WIRE | Copper | 0.45 | Copper | 7440-50-8 | 95.0 | 22.27 | 23.44 |
| | | | | Modified Polyester Resin | - | 5.0 | 1.17 | |
| 4 | Adhesive | Adhesive | 0.008 | Epoxy Resin | 25085-99-8 | 50.0 | 0.21 | 0.42 |
| | | | | Epoxide Diluent | 26761-45-5 | 7.0 | 0.03 | |
| | | | | Dicyandiamide | 461-58-5 | 6.0 | 0.03 | |
| | | | | Calcium carbonate | 471-34-1 | 20.0 | 0.08 | |
| | | | | Aluminum hydroxide | 21645-51-2 | 15.0 | 0.06 | |
| | | | | Carbon Black | 1333-86-4 | 2.0 | 0.01 | |
| 5 | Adhesive | Adhesive | 0.008 | Bisphenol A Epoxy Resin | 25068-38-6 | 61.0 | 0.25 | 0.42 |
| | | | | Epoxy thinning agent | 68609-97-2 | 5.0 | 0.02 | |
| | | | | Dicyandiamide | 461-58-5 | 6.0 | 0.03 | |

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|---|--------|------|-------|---------------------------------|-------------|------|-------|------|
| | | | | Carbon Black | 1333-86-4 | 5.0 | 0.02 | |
| | | | | Aluminum hydroxide | 21645-51-2 | 23.0 | 0.1 | |
| 6 | Solder | Tin | 0.025 | Tin | 7440-31-5 | 99.0 | 1.29 | 1.30 |
| | | | | Silver | 7440-22-4 | 0.5 | 0.01 | |
| | | | | Copper | 7440-50-8 | 0.5 | 0.01 | |
| | | | | Polyethylene | 9002-88-4 | 55.0 | 0.37 | |
| 7 | Tube | Tube | 0.013 | Magnesium Hydroxide | 1309-42-8 | 38.0 | 0.26 | 0.68 |
| | | | | Carbon black | 1333-86-4 | 4.0 | 0.03 | |
| | | | | Phosphorous | 7723-14-0 | 3.0 | 0.02 | |
| | | | | Cyclic isoprene modified phenol | 68441-13-4 | 10.0 | 0.01 | |
| 8 | Ink | Ink | 0.002 | Phenolic modified rosin | - | 10.0 | 0.01 | 0.10 |
| | | | | Alkyd modified linseed oil | - | 4.0 | 0.004 | |
| | | | | Titanium dioxide | 13463-67-7 | 42.0 | 0.042 | |
| | | | | Silica | 112945-52-5 | 3.0 | 0.003 | |
| | | | | Linseed oil | 8001-26-1 | 15.0 | 0.015 | |
| | | | | Carbitol derivative | 124-17-4 | 15.0 | 0.015 | |
| | | | | Co Naphthenate | 61789-51-3 | 1.0 | 0.001 | |
| | | | | Total weight | 1.92 | | | |

This Document was updated on: 2020/11/04

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.