


MATERIAL DECLARATION



| | | | | |
|-----------------|--------------------|-----|---|---|
| Material Number | SDR0503-series | | |  |
| Product Line | SMD POWER INDUCTOR | | | |
| Compliance Date | 2009.05.26 | | | |
| RoHS Compliant | YES | MSL | 1 | |

| No. | Construction Element(subpart) | Homogeneous Material | Material weight [mg] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|-------------------------------|----------------------|----------------------|--|---------------------|------------------|-----------------------------------|-------------------------------|
| 1 | Ferrite Material | F4D | 144 | Iron oxide (Fe ₂ O ₃) | 1309-37-1 | 60 | 41.94 | 69.9 |
| | | | | Nickel oxide (NiO) | 1313-99-1 | 10 | 6.99 | |
| | | | | Zinc oxide (ZnO) | 1314-13-2 | 20 | 13.98 | |
| | | | | Copper oxide(CuO) | 1317-38-0 | 10 | 6.99 | |
| 2 | Winding Wire | P180-G2 | 53 | Copper (Cu) | 7440-50-8 | 95 | 24.4 | 25.7 |
| | | | | Polyurethane resin | 9009-54-5 | 5 | 1.3 | |
| 3 | Solder | Lead free-solder | 5 | Tin (Sn) | 7440-31-5 | 96.5 | 2.316 | 2.4 |
| | | | | Silver (Ag) | 7440-22-4 | 3 | 0.072 | |
| | | | | Copper (Cu) | 7440-50-8 | 0.5 | 0.012 | |
| 4 | Terminal | PLATING METAL | 2 | Silver (Ag) | 7440-22-4 | 46 | 0.46 | 1 |
| | | | | Nickel (Ni) | 7440-02-0 | 18 | 0.18 | |
| | | | | Tin (Sn) | 7440-31-5 | 36 | 0.36 | |
| 5 | Adhesive | UV-C110 | 2 | Acrylic acid resin | 9003-01-4 | 50 | 0.5 | 1 |
| | | | | Acrylic ester-copolymerizate | 40704-95-8 | 40 | 0.4 | |
| | | | | 2-Hydroxy-4-octyloxybenzophenone | 1843-05-6 | 10 | 0.1 | |
| | | Total weight | 206 | | | | | |

This Document was updated on: 11-1-2010

Important remarks:

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