


MATERIAL DECLARATION



| | | | | |
|-----------------|--------------------|-----|---|---|
| Material Number | SDR1105 series | | |  |
| Product Line | SMD POWER INDUCTOR | | | |
| Compliance Date | 2009.06.18 | | | |
| 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 | 850 | Iron oxide (Fe2O3) | 1309-37-1 | 60 | 34.8 | 58 |
| | | | | Nickel oxide (NiO) | 1313-99-1 | 10 | 5.8 | |
| | | | | Zinc oxide (ZnO) | 1314-13-2 | 20 | 11.6 | |
| | | | | Copper oxide(CuO) | 1317-38-0 | 10 | 5.8 | |
| 2 | Winding Wire | 2SFBW | 450 | Copper (Cu) | 7440-50-8 | 95 | 29.2 | 30.7 |
| | | | | Polyester Resin | N/A | 5 | 1.5 | |
| 3 | Solder | Lead free-solder | 10 | Tin (Sn) | 7440-31-5 | 96.5 | 0.675 | 0.7 |
| | | | | Silver (Ag) | 7440-22-4 | 3 | 0.021 | |
| | | | | Copper (Cu) | 7440-50-8 | 0.5 | 0.004 | |
| 4 | BASE | FR4 | 110 | Glass | 65997-17-3 | 53 | 3.97 | 7.5 |
| | | | | Cured diglycidyl ether of phosphorsbisphenol-A | 35948-25-5 | 45 | 3.38 | |
| | | | | Aromatic phosphate | 139189-30-3 | 1.2 | 0.09 | |
| | | | | Dicy | 461-58-5 | 0.8 | 0.06 | |
| 5 | Terminal Electrode | Cu/Ni/Au | 20 | Copper (Cu) | 7440-50-8 | 70 | 0.98 | 1.4 |
| | | | | Nickel (Ni) | 7440-02-0 | 25 | 0.35 | |
| | | | | Gold (Au) | 7440-57-5 | 5 | 0.07 | |
| 6 | Adhesive | 6020H-2 | 25 | Bisphenol A Epoxy Resin | 25068-38-6 | 63 | 1.071 | 1.7 |
| | | | | Alkyl glycidyl ether | 68609-97-2 | 3 | 0.051 | |
| | | | | Methyl imidazole | 693-98-1 | 5 | 0.085 | |
| | | | | Carbon black | 1333-86-4 | 3 | 0.051 | |
| | | | | Silicon dioxide | 7631-86-9 | 26 | 0.442 | |
| Total weight | | | 1465 | | | | | |

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