


MATERIAL DECLARATION



| | | | | |
|-----------------|-----------------------------|-----|---|---|
| Material Number | SRR1210 -series | | |  |
| Product Line | SHIELDED SMD POWER INDUCTOR | | | |
| Compliance Date | 2009.07.06 | | | |
| 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 | 3677 | Iron oxide (Fe ₂ O ₃) | 1309-37-1 | 60 | 45.6 | 76 |
| | | | | Nickel oxide (NiO) | 1313-99-1 | 10 | 7.6 | |
| | | | | Zinc oxide (ZnO) | 1314-13-2 | 20 | 15.2 | |
| | | | | Copper oxide(CuO) | 1317-38-0 | 10 | 7.6 | |
| 2 | Winding Wire | 2SFBW | 650 | Copper (Cu) | 7440-50-8 | 95 | 13.3 | 14 |
| | | | | Polyester Resin | N/A | 5 | 0.7 | |
| 3 | Solder | Lead free-solder | 20 | Tin (Sn) | 7440-31-5 | 96.5 | 0.386 | 0.4 |
| | | | | Silver (Ag) | 7440-22-4 | 3 | 0.012 | |
| | | | | Copper (Cu) | 7440-50-8 | 0.5 | 0.002 | |
| 4 | BASE Terminal Electrode | C1100R-H/Sn/ Ni | 208 | Copper (Cu) | N/A | 90 | 3.87 | 4.3 |
| | | | | Tin (Sn) | 7440-31-5 | 7 | 0.301 | |
| | | | | Nickel (Ni) | 7440-02-0 | 3 | 0.129 | |
| 5 | TAPE | #560S | 105 | Nomex | N/A | 100 | 2.2 | 2.2 |
| 6 | Adhesive | 6020H-2 | 150 | Bisphenol A Epoxy Resin | 25068-38-6 | 63 | 1.943 | 3.1 |
| | | | | Alkyd glycidyl ether | 68609-97-2 | 3 | 0.093 | |
| | | | | Methyl imidazole | 693-98-1 | 5 | 0.155 | |
| | | | | Carbon black | 1333-86-4 | 3 | 0.093 | |
| | | | | Silicon dioxide | 7631-86-9 | 26 | 0.806 | |
| | | Total weight | 4810 | | | | | |

This Document was updated on: 10-28-2010

Important remarks:

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