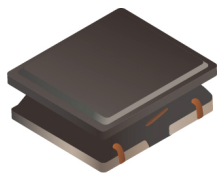


MATERIAL DECLARATION SHEET

BOURNS®

| | | | | |
|-----------------|-----------------|-----|---|---|
| Material Number | SRN2510 SERIES | | |  |
| Product Line | Power Inductor | | | |
| Compliance Date | Since inception | | | |
| 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 | Ferrite body | Ferrite Ni-Zn Series | 0.019272 | Iron oxide | 1309-37-1 | 62.000 | 45.260 | 73.00 |
| | | | | Nickel oxide | 1313-99-1 | 11.000 | 8.030 | |
| | | | | Zinc oxide | 1314-13-2 | 20.000 | 14.600 | |
| | | | | Copper oxide | 1317-38-0 | 7.000 | 5.110 | |
| 2 | Circuit-Copper | Copper Wire | 0.003168 | Copper | 7440-50-8 | 96.500 | 14.475 | 15.00 |
| 3 | Circuit-Coating | Polyurethane-Based Insulation Varnish | 0.000792 | Polyamideimide Resin | 31957-38-1 | 3.500 | 0.525 | |
| 4 | Terminal | Silver paste | 0.000792 | Silver | 7440-22-4 | 100.000 | 3.000 | 3.00 |
| 5 | Solder Base | Nickel | 0.000264 | Nickel | 7440-02-0 | 100.000 | 1.000 | 1.00 |
| 6 | Solder | Lead Free Solder | 0.000264 | Tin | 7440-31-5 | 100.000 | 1.000 | 1.00 |
| 7 | Adhesive | Adhesive | 0.000924 | Dimethyl siloxane, dimethylvinyl-terminated | 68083-19-2 | 45.000 | 1.575 | 3.50 |
| | | | | Silicon dioxide | 14808-60-7 | 35.000 | 1.225 | |
| | | | | Dimethylvinylated and trimethylated silica | 68988-89-6 | 15.000 | 0.525 | |
| | | | | Methyl hydro siloxane | 68037-59-2 | 3.000 | 0.105 | |
| | | | | Siloxanes and Silicones, Me vinyl, hydroxy-terminated, reaction products with trimethoxy[3-(oxiranylmethoxy)propyl]silane | 73891-89-1 | 1.000 | 0.035 | |
| | | | | Carbon black | 1333-86-4 | 1.000 | 0.035 | |
| Conformal Coating | 0.000924 | Dimethyl siloxane, dimethylvinyl-terminated | 68083-19-2 | 89.000 | 3.115 | 3.50 | | |
| | | Methyl hydro siloxane | 68037-59-2 | 10.000 | 0.350 | | | |
| | | Dimethylvinylated and trimethylated silica | 68988-89-6 | 1.000 | 0.035 | | | |
| Total weight | | | 0.0264 | | | | | |

This Document was updated on: 2013/11/19

Important remarks:

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