


MATERIAL DECLARATION SHEET

BOURNS

| | | | | |
|-----------------|----------------------------|-----|---|---|
| Material Number | PM105SB | | |  |
| Product Line | SHIEDED SMD POWER INDUCTOR | | | |
| Compliance Date | 2009.07.20 | | | |
| RoHS Compliant | YES | MSL | 2 | |

| 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 | 920 | Iron oxide | 1309-37-1 | 60 | 43.2 | 72 |
| | | | | Nickel oxide | 1313-99-1 | 10 | 7.2 | |
| | | | | Zinc oxide | 1314-13-2 | 20 | 14.4 | |
| | | | | Copper oxide | 1317-38-0 | 10 | 7.2 | |
| 2 | Winding Wire | 2-SFBW | 253 | Copper | 7440-50-8 | 95 | 19 | 20 |
| | | | | Polyester Resin | N/A | 5 | 1 | |
| 3 | Solder | Lead free-solder | 30 | Tin | 7440-31-5 | 96.5 | 2.32 | 2.4 |
| | | | | Silver | 7440-22-4 | 3 | 0.07 | |
| | | | | Copper | 7440-50-8 | 0.5 | 0.01 | |
| 4 | Terminal | PLATING METAL | 10 | Silver | 7440-22-4 | 46 | 0.46 | 1 |
| | | | | Nickel | 7440-02-0 | 18 | 0.18 | |
| | | | | Tin | 7440-31-5 | 36 | 0.36 | |
| 5 | GAP | PET | 37 | Polyethylene terephthalate | 25038-59-9 | 100 | 3 | 3 |
| 6 | Adhesive | 2089 | 20 | Epoxy resin | 25085-97-8 | 45 | 0.72 | 1.6 |
| | | | | Alkyd glycidyl ether | 68609-97-2 | 3 | 0.05 | |
| | | | | Dicyanamide | 461-58-5 | 3 | 0.05 | |
| | | | | Aluminum hydroxide | 21645-51-2 | 45.5 | 0.72 | |
| | | | | Carbon black | 1333-86-4 | 3 | 0.05 | |
| | | | | Imidazole | 288-32-4 | 0.5 | 0.01 | |
| Total weight | | | 1270 | | | | | |

This Document was updated on: 2009.07.20

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Important remarks:

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