


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|----------------|-----|---|---|
| Material Number | MF-SM series | | |  |
| Product Line | Multifuse | | | |
| Compliance Date | March 31, 2005 | | | |
| 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 | carbon black | carbon black | 0.0189612 | carbon black | 1333-86-4 | 100 | 4.95 | 4.9457 |
| 2 | foil | copper foil | 0.019771 | copper | 7440-50-8 | 95 | 4.99 | 5.15693 |
| | | | | nickel | 7440-02-0 | 5 | 0.17 | |
| 3 | lead frame | copper alloy | 0.2859475 | copper | 7440-50-8 | 70 | 52.83 | 74.5846 |
| | | | | zinc | 7440-66-6 | 30 | 21.75 | |
| 4 | nickel plating | nickel plating | 0.0000014 | nickel | 7440-02-0 | 100 | 0.000365 | 0.00036 |
| 5 | matte tin finish plate | tin | 0.0000087 | tin | 7440-31-5 | 100 | 0.002269 | 0.00227 |
| 6 | polymer | polyethylene | 0.0207971 | polyethylene | 9002-88-4 | 100 | 5.42 | 5.42457 |
| 7 | solder joint | solder | 0.0379 | tin | 7440-31-5 | 89.6 | 8.86 | 9.88557 |
| | | | | antimony | 7440-36-0 | 10.4 | 1.03 | |
| | | | Total weight | 0.383387 | | | | |

This Document was updated on: September 14, 2010

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. This MDS is a representative declaration for the MF-SM series. Total material weights may differ depending on part.