

MATERIAL DECLARATION SHEET



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|----------------|-----------|
| Material | MF-RM/240 |
| Product Line | Multifuse |
| Revision Date | 9/12/14 |
| Revision | B |
| RoHS Compliant | Yes |



| No. | Breakdown of part (eg Lead, Ceramic body, coating, plating, additive) | Material/substance name (eg.Sn alloy, Cu Copper) | Material/ substance weight in grams ($\pm 0.1\%$) | CAS No. / Int. Identifier | Material /substance weight % | Sum(%) |
|-----|---|---|--|------------------------------|------------------------------------|--------|
| 1 | PTC | Polyethylene Homopolymer | 0.04972 | 9002-88-4 | 9.65% | 23.53% |
| | | Carbon black | 0.04730 | 1333-86-4 | 9.18% | |
| | | Magnesium hydroxide | 0.02425 | 1309-42-8 | 4.71% | |
| 2 | Foil | Copper | 0.04895 | 7440-50-8 | 9.50% | 9.98% |
| | | Nickel | 0.00245 | 7440-02-0 | 0.48% | |
| 3 | Tinned copper wire | Copper | 0.14691 | 7440-50-8 | 28.51% | 28.65% |
| | | Tin | 0.00074 | 7440-31-5 | 0.14% | |
| 4 | Solder | Tin | 0.04983 | 7440-31-5 | 9.67% | 9.74% |
| | | Copper | 0.00035 | 7440-50-8 | 0.07% | |
| 5 | Epoxy coating powder | Bisphenol A diglycidyl ether | 0.05792 | 1675-54-3 | 11.24% | 28.10% |
| | | Bisphenol A epoxy resin | 0.02896 | 25085-99-8 | 5.62% | |
| | | Silica Crystalline | 0.03330 | 14464-46-1 | 6.46% | |
| | | Non-halogen Flame Retardant | 0.01738 | Trade Secret | 3.37% | |
| | | Iron Oxide Fume | 0.00290 | 51274-00-1 | 0.56% | |
| | | Titanium Dioxide | 0.00434 | 13463-67-7 | 0.84% | |

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|----------------------|---------|-------|------|------|
| Total weight (grams) | 0.51530 | Total | 100% | 100% |
|----------------------|---------|-------|------|------|