


# MATERIAL DECLARATION SHEET



|                 |                              |     |   |   |
|-----------------|------------------------------|-----|---|---|
| Material Number | PM 2120 Series               |     |   |  |
| Product Line    | High Current Toroid Inductor |     |   |   |
| Compliance Date | 01/01/2006                   |     |   |   |
| 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      | Toroid core                   | Iron Powder          | 11.40               | Iron                             | 7439-89-6                           | 87               | 45.4923                           | 52.29                         |
|        |                               |                      |                     | Silicon                          | 7440-21-3                           | 9                | 4.7061                            |                               |
|        |                               |                      |                     | Resin                            | Trade Secret                        | 2.5              | 1.30725                           |                               |
|        |                               |                      |                     | Coating                          | Trade Secret                        | 1                | 0.5229                            |                               |
|        |                               |                      |                     | Lubricant (mixture)              | 110-30-5<br>5518-18-3<br>67701-02-4 | 0.5              | 0.26145                           |                               |
| 2      | Magnet Wire                   | Copper               | 8.40                | Copper                           | 7440-50-8                           | 96               | 36.9888                           | 38.53                         |
|        |                               |                      |                     | Polyurethane                     | 9009-54-5                           | 4                | 1.5412                            |                               |
| 3      | Tape                          | Epoxy/<br>Polyester  | 0.12                | Polyethylene terephthalate       | 25038-59-9                          | 30               | 0.165                             | 0.55                          |
|        |                               |                      |                     | Polyacrylate copolymer           | -                                   | 22               | 0.121                             |                               |
|        |                               |                      |                     | Titanium dioxide                 | 13463-67-7                          | 4.5              | 0.02475                           |                               |
|        |                               |                      |                     | Phenolic resin                   | 25085-50-1                          | 6.5              | 0.03575                           |                               |
|        |                               |                      |                     | Antimony trioxide                | 1309-64-4                           | 2.5              | 0.01375                           |                               |
|        |                               |                      |                     | Epoxy resin                      | 25068-38-6                          | 2                | 0.011                             |                               |
|        |                               |                      |                     | Brominated epoxy resin           | -                                   | 32.5             | 0.17875                           |                               |
|        |                               |                      |                     | Epoxy Resin                      | 25068-38-6                          | 86.67            | 0.7195                            |                               |
| 4      | Adhesive                      | Epoxy Resin          | 0.18                | Oxirane                          | 2426-08-6                           | 10.0             | 0.083                             | 0.83                          |
|        |                               |                      |                     | Silica, Amorphous                | 112945-52-5                         | 3.33             | 0.0275                            |                               |
|        |                               |                      |                     | Tin                              | 7440-31-5                           | 95.2             | 0.1333                            |                               |
| Silver | 7440-22-4                     | 3.8                  | 0.0053              |                                  |                                     |                  |                                   |                               |
| Copper | 7440-50-8                     | 1.0                  | 0.0014              |                                  |                                     |                  |                                   |                               |

|   |        |                     |             |   |            |    |       |      |
|---|--------|---------------------|-------------|---|------------|----|-------|------|
| 6 | Header | DAP                 | 1.67        | DAP Resin   | 25035-78-3 | 25 | 1.915 | 7.66 |
|   |        |                     |             | Aluminum Trihydroxide                                   | 21645-51-2 | 45 | 3.447 |      |
|   |        |                     |             | Glass Fiber   | 65997-17-3 | 30 | 2.298 |      |
|   |        | <b>Total weight</b> | <b>21.8</b> | <b><i>*This Document was updated on: 29/03/2012</i></b> |            |    |       |      |