

# MATERIAL DECLARATION SHEET

**BOURNS®**

|                 |                              |     |   |                                                                                     |
|-----------------|------------------------------|-----|---|-------------------------------------------------------------------------------------|
| Material Number | 2300HT-102-H-RC              |     |   |  |
| Product Line    | High Current Toroid Inductor |     |   |                                                                                     |
| Compliance Date | 01/01/2006                   |     |   |                                                                                     |
| RoHS Compliant  | Yes                          | MSL | 1 |                                                                                     |

| No. | Construction<br>Element(subpart) | Homogeneous<br>Material | Material<br>weight<br>[g] | Homogeneous<br>Material\<br>Substances    | CASRN<br>if applicable | Materials<br>Mass % | Material<br>Mass % of<br>total unit<br>wt. | Subpart<br>mass of total<br>wt. (%) |
|-----|----------------------------------|-------------------------|---------------------------|-------------------------------------------|------------------------|---------------------|--------------------------------------------|-------------------------------------|
| 1   | Toroid core                      | Iron Powder             | 27.026                    | Iron Powder                               | 7439-89-6              | 95.5                | 82.35                                      | 95.75                               |
|     |                                  |                         |                           | Resin                                     | Trade Secret           | 3.57                | 9.58                                       |                                     |
|     |                                  |                         |                           | Lubricant                                 | 67701-02-4             | 0.93                | 2.39                                       |                                     |
|     |                                  | Brown Paint             | 0.271                     | epoxy resin                               | 25068-38-6             | 75                  | 0.540                                      |                                     |
|     |                                  |                         |                           | solvent naphtha                           | 64742-95-6             | 15                  | 0.108                                      |                                     |
|     |                                  |                         |                           | titanium dioxide                          | 13463-67-7             | 6.7                 | 0.048                                      |                                     |
|     |                                  |                         |                           | 3-(2,3-epoxypropoxy)<br>propyl trimethoxy | 2530-83-8              | 3                   | 0.022                                      |                                     |
|     |                                  |                         |                           | para-nolyphenol                           | 84852-15-3             | 0.3                 | 0.002                                      |                                     |
|     |                                  | Black Paint             | 0.271                     | epoxy resin                               | 25068-38-6             | 75                  | 0.540                                      |                                     |
|     |                                  |                         |                           | solvent naphtha                           | 64742-95-6             | 15                  | 0.108                                      |                                     |
|     |                                  |                         |                           | 3-(2,3-epoxypropoxy)<br>propyl trimethoxy | 2530-83-8              | 9.7                 | 0.070                                      |                                     |
|     |                                  |                         |                           | para-nolyphenol                           | 84852-15-3             | 0.3                 | 0.002                                      |                                     |
| 2   | Magnet Wire                      | Copper                  | 0.01                      | Copper                                    | 7440508                | 100                 | 0.10                                       | 0.11                                |
|     |                                  |                         | 0.0064                    | THEIC Polyester                           | 26061-97-2             | 75                  | 0.007                                      |                                     |
|     |                                  |                         |                           | Polyamidimide con                         | 25053-57-0             | 25                  |                                            |                                     |
| 3   | Tape                             | Epoxy/Polyester         | 0.086                     | Epoxy / Polyester                         | 65997-17-3             | 62.5                | 0.714                                      | 1.14                                |
|     |                                  |                         |                           | Silicon Adhesive                          | Mixture                | 37.5                | 0.428                                      |                                     |
| 4   | Adhesive                         | Epoxy Resin             | 0.180                     | Epoxy Resin                               | 25068-38-6             | 86.67               | 2.228                                      | 2.57                                |
|     |                                  |                         |                           | Oxirane                                   | 2426-08-6              | 10.0                | 0.257                                      |                                     |
|     |                                  |                         |                           | Silica, Amorphous                         | 112945-52-5            | 3.33                | 0.086                                      |                                     |
| 5   | Solder                           | Tin                     | 0.030                     | Tin                                       | 7440-31-5              | 95.2                | 0.408                                      | 0.43                                |
|     |                                  |                         |                           | Silver                                    | 7440-22-4              | 3.8                 | 0.016                                      |                                     |
|     |                                  |                         |                           | Copper                                    | 7440-50-8              | 1.0                 | 0.004                                      |                                     |

Headquarters Riverside CA

**Total weight**

27.88

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page 1 of 2

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