


# MATERIAL DECLARATION SHEET



|                 |                             |     |   |   |
|-----------------|-----------------------------|-----|---|---|
| Material Number | SRU1038A Series             |     |   |  |
| Product Line    | Shielded SMD Power Inductor |     |   |   |
| Compliance Date | 2013/7/15                   |     |   |   |
| 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            | CORE                           | F5H                  | 0.55                | Iron oxide                       | 1309-37-1           | 63.00            | 27.07                             | 42.97                         |
|              |                                |                      |                     | Nickel oxide                     | 1313-99-1           | 12.00            | 5.16                              |                               |
|              |                                |                      |                     | Zinc oxide                       | 1314-13-2           | 20.00            | 8.59                              |                               |
|              |                                |                      |                     | Cupric oxide                     | 1317-38-0           | 5.00             | 2.15                              |                               |
| 2            | CORE                           | T12                  | 0.42                | Iron oxide                       | 1309-37-1           | 64.00            | 21.00                             | 32.81                         |
|              |                                |                      |                     | Nickel oxide                     | 1313-99-1           | 10.00            | 3.28                              |                               |
|              |                                |                      |                     | Zinc oxide                       | 1314-13-2           | 20.00            | 6.56                              |                               |
|              |                                |                      |                     | Cupric oxide)                    | 1317-38-0           | 6.00             | 1.97                              |                               |
| 3            | WIRE                           | 2-SFBW               | 0.19                | Copper                           | 7440-50-8           | 95.00            | 14.10                             | 14.84                         |
|              |                                |                      |                     | Polyester Resin                  | 109-16-0            | 5.00             | 0.74                              |                               |
| 4            | ADHESIVE                       | 6020H-6-QR-NH        | 0.01                | Epoxy Resin                      | 25068-38-6          | 59.00            | 0.46                              | 0.78                          |
|              |                                |                      |                     | Alkyl glycidyl ether             | 68609-97-2          | 4.00             | 0.03                              |                               |
|              |                                |                      |                     | Methyl imidazole                 | 693-98-1            | 10.00            | 0.08                              |                               |
|              |                                |                      |                     | Carbon black                     | 1333-86-4           | 5.00             | 0.04                              |                               |
|              |                                |                      |                     | Silicon dioxide                  | 7631-86-9           | 22.00            | 0.17                              |                               |
| 5            | Terminal                       | Ag/Ni/Sn             | 0.01                | Silver                           | 7440-22-4           | 55.00            | 0.43                              | 0.78                          |
|              |                                |                      |                     | Nickel                           | 7440-02-0           | 25.00            | 0.20                              |                               |
|              |                                |                      |                     | Tin                              | 7440-31-5           | 20.00            | 0.16                              |                               |
| 6            | Solder wire                    | 0505H                | 0.06                | Tin                              | 7440-31-5           | 99.00            | 4.64                              | 4.69                          |
|              |                                |                      |                     | Silver                           | 7440-22-4           | 0.50             | 0.02                              |                               |
|              |                                |                      |                     | Copper                           | 7440-50-8           | 0.50             | 0.02                              |                               |
| 7            | Solder bar                     | 308H                 | 0.04                | Tin                              | 7440-31-5           | 96.50            | 3.02                              | 3.13                          |
|              |                                |                      |                     | Silver                           | 7440-22-4           | 3.00             | 0.09                              |                               |
|              |                                |                      |                     | Copper                           | 7440-50-8           | 0.50             | 0.02                              |                               |
| Total weight |                                |                      | 1.28                |                                  |                     |                  |                                   |                               |

This Document was updated on: 2013/7/15

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.