


# MATERIAL DECLARATION SHEET



|                 |                 |     |         |                                                                                     |
|-----------------|-----------------|-----|---------|-------------------------------------------------------------------------------------|
| Material Number | SRP5030C Series |     |         |  |
| Product Line    | Power Inductor  |     |         |                                                                                     |
| Compliance Date | 2019/08/22      |     |         |                                                                                     |
| RoHS Compliant  | Yes             | MSL | Level 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            | Alloy Body                    | Alloy Powder                                  | 0.36                | Iron                             | 7439-89-6           | 93.800           | 75.040                            | 80.00                         |
|              |                               |                                               |                     | Silicon                          | 7440-21-3           | 4.200            | 3.360                             |                               |
|              |                               |                                               |                     | Chromium                         | 7440-47-3           | 2.000            | 1.600                             |                               |
| 2            | Copper/ Coating               | Copper Wire                                   | 0.0675              | Copper                           | 7440-50-8           | 100.000          | 15.000                            | 16.00                         |
|              |                               | Copper Colored Coating On The Magnet Wire_AIW | 0.0045              | Polyamideimide Resin             | 63428-84-2          | 100.000          | 1.000                             |                               |
| 3            | Terminal-Clip                 | Copper                                        | 0.0171              | Copper                           | 7440-50-8           | 99.938           | 3.798                             | 3.80                          |
|              |                               | Nickel plating                                |                     | Nickel                           | 7440-02-0           | 0.024            | 0.001                             |                               |
|              |                               | Sn plating                                    |                     | Tin                              | 7440-31-5           | 0.038            | 0.001                             |                               |
| 4            | Marking                       | Hitachi IJ Printer INK                        | 0.0009              | Additives, not to declare        | --                  | 2.00             | 0.004                             | 0.20                          |
|              |                               |                                               |                     | Carbon black                     | 1333-86-4           | 98.00            | 0.196                             |                               |
| Total weight |                               |                                               | <b>0.45</b>         |                                  |                     |                  |                                   |                               |

**This Document was updated on: 2019/08/22**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.