

# MATERIAL DECLARATION SHEET

**BOURNS®**

|                 |                  |     |         |                                                                                     |
|-----------------|------------------|-----|---------|-------------------------------------------------------------------------------------|
| Material Number | SRP4020CC Series |     |         |  |
| Product Line    | Power Inductor   |     |         |                                                                                     |
| Compliance Date | 2022/08/30       |     |         |                                                                                     |
| 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            | Carbonyl body                 | Carbonyl Powder                               | 0.13125             | Iron                             | 7439-89-6           | 98.192           | 73.644                            | 75.00                         |
|              |                               |                                               |                     | Carbon                           | 7440-44-0           | 0.904            | 0.678                             |                               |
|              |                               |                                               |                     | Nitrogen                         | 7727-37-9           | 0.904            | 0.678                             |                               |
| 2            | Copper/ Coating               | Copper Wire                                   | 0.02625             | Copper                           | 7440-50-8           | 100.000          | 15.000                            | 16.00                         |
|              |                               | Copper Colored Coating On The Magnet Wire_AIW | 0.00175             | Polyamideimide Resin             | 63428-84-2          | 100.000          | 1.000                             |                               |
| 3            | Terminal-Clip                 | Copper_C1100                                  | 0.011193            | Copper                           | 7440-50-8           | 100.000          | 5.888                             | 6.40                          |
|              |                               | Nickel plating                                | 0.000003            | Nickel                           | 7440-02-0           | 100.000          | 0.128                             |                               |
|              |                               | Lead Free Solder                              | 0.000004            | Tin                              | 7440-31-5           | 100.000          | 0.384                             |                               |
| 4            | Body-Coating                  | PL-GREY_PL-488                                | 0.004375            | Acrylic acid resin               | 9003-01-4           | 55.555           | 1.389                             | 2.50                          |
|              |                               |                                               |                     | Carbon Black                     | 1333-86-4           | 27.778           | 0.694                             |                               |
|              |                               |                                               |                     | Titanium dioxide                 | 1317-80-2           | 16.667           | 0.417                             |                               |
| 5            | Marking                       | Hitachi IJ Printer INK                        | 0.000175            | ChromeIII-Complex Dye            | 117527-94-3         | 100.000          | 0.100                             | 0.10                          |
| Total weight |                               |                                               | 0.175               |                                  |                     |                  |                                   |                               |

**This Document was updated on: 2022/08/30**

## Important remarks:

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