

# MATERIAL DECLARATION SHEET



|                 |                            |     |          |  |
|-----------------|----------------------------|-----|----------|--|
| Material Number | <b>SRP2010 Series</b>      |     |          |  |
| Product Line    | <b>Power Chip Inductor</b> |     |          |  |
| Compliance Date | 2019/11/27                 |     |          |  |
| RoHS Compliant  | <b>Yes</b>                 | MSL | <b>1</b> |  |

| No. | Construction Element(subpart) | Homogeneous Material  | Material weight [mg] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|-------------------------------|-----------------------|----------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1   | Wire                          | Wire                  | 5.1774               | Copper                           | 7440-50-8           | 100              | 28.94                             | 28.94                         |
| 2   | Core                          | Core                  | 10.5909              | Iron                             | 7439-89-6           | 84.68            | 59.2                              | 69.91                         |
|     |                               |                       | 0.1199               | Carbon                           | 7440-44-0           | 0.97             | 0.67                              |                               |
|     |                               |                       | 0.7854               | Silicon                          | 7440-21-3           | 6.29             | 4.39                              |                               |
|     |                               |                       | 0.3041               | Chromium (Non-Cr6+)              | 7440-47-3           | 2.42             | 1.7                               |                               |
|     |                               |                       | 0.3041               | Boron                            | 7440-42-8           | 2.42             | 1.7                               |                               |
|     |                               |                       | 0.4025               | Polymer(Epoxy)                   | Proprietary         | 3.22             | 2.25                              |                               |
| 3   | Overcoat                      | Overcoat              | 0.1521               | Polymer(Epoxy)                   | Proprietary         | 100              | 0.85                              | 0.85                          |
| 4   | Terminations                  | Terminations          | 0.0179               | Copper                           | 7440-50-8           | 100              | 0.1                               | 0.1                           |
| 5   | External electrode Ni         | External electrode Ni | 0.0196               | Nickel                           | 7440-02-0           | 100              | 0.11                              | 0.11                          |
| 6   | External electrode Sn         | External electrode Sn | 0.0161               | Tin                              | 7440-31-5           | 100              | 0.09                              | 0.09                          |
|     |                               |                       | <b>Total weight</b>  | <b>17.89</b>                     |                     |                  |                                   |                               |

**This Document was updated on: 2019/11/27**

**Important remarks:**

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