## MATERIAL DECLARATION SHEET

<table>
<thead>
<tr>
<th>No.</th>
<th>Construction Element(subpart)</th>
<th>Homogeneous Material</th>
<th>Material weight [g]</th>
<th>Homogeneous Material/Substances</th>
<th>CASRN if applicable</th>
<th>Materials Mass %</th>
<th>Material Mass % of total unit wt.</th>
<th>Subpart mass of total wt. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DR CORE</td>
<td>Ferrite Core</td>
<td>0.17</td>
<td>Iron oxide (Fe₂O₃)</td>
<td>1309-37-1</td>
<td>62.0</td>
<td>17.567</td>
<td>28.33</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cupric Oxide (CuO)</td>
<td>1317-38-0</td>
<td>10.0</td>
<td>2.833</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Zinc oxide (ZnO)</td>
<td>1314-13-2</td>
<td>20.0</td>
<td>5.667</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nickel oxide (NiO)</td>
<td>1313-99-1</td>
<td>8.0</td>
<td>2.267</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>RI CORE</td>
<td>Ferrite Core</td>
<td>0.145</td>
<td>Iron oxide (Fe₂O₃)</td>
<td>1309-37-1</td>
<td>62.0</td>
<td>14.983</td>
<td>24.17</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cupric Oxide (CuO)</td>
<td>1317-38-0</td>
<td>10.0</td>
<td>2.417</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Zinc oxide (ZnO)</td>
<td>1314-13-2</td>
<td>20.0</td>
<td>4.833</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nickel oxide (NiO)</td>
<td>1313-99-1</td>
<td>8.0</td>
<td>1.933</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Winding Wire</td>
<td>Copper Wire</td>
<td>0.13</td>
<td>Copper (Cu)</td>
<td>7440-50-8</td>
<td>95.0</td>
<td>20.583</td>
<td>21.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Polyester Resin</td>
<td>9009-54-5</td>
<td>5.0</td>
<td>1.083</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Base</td>
<td>LCP</td>
<td>0.05</td>
<td>Aromatic polyester resin</td>
<td>60088-52-0</td>
<td>61.0</td>
<td>5.083</td>
<td>8.33</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Glass fiber</td>
<td>65997-17-3</td>
<td>37.0</td>
<td>3.083</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>2.0</td>
<td>0.167</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Copper (Cu)</td>
<td>7440-50-8</td>
<td>93.6</td>
<td>1.560</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tin (Sn)</td>
<td>7440-31-5</td>
<td>6.2</td>
<td>0.103</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Phosphorus(P)</td>
<td>7723-14-0</td>
<td>0.2</td>
<td>0.003</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Plating</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Tin (Sn)</td>
<td>7440-31-5</td>
<td>80.0</td>
<td>0.400</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Nickel (Ni)</td>
<td>7440-02-0</td>
<td>20.0</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Adhesive</td>
<td>Adhesive</td>
<td>0.022</td>
<td>Bisphenol A Epoxy Resin</td>
<td>25068-38-6</td>
<td>59.0</td>
<td>2.160</td>
<td>3.67</td>
</tr>
</tbody>
</table>

Material Number: SRR7045(1R0~151)
Product Line: Shielded SMD Power Inductor
Compliance Date: 2018/07/02
RoHS Compliant: YES
## MATERIAL DECLARATION SHEET

<table>
<thead>
<tr>
<th>CASRN</th>
<th>Component Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>693-98-1</td>
<td>Potential hardener</td>
<td>14.0</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>Carbon black</td>
<td>5.0</td>
</tr>
<tr>
<td>21645-51-2</td>
<td>Aluminium hydroxide</td>
<td>22.0</td>
</tr>
<tr>
<td>25068-38-6</td>
<td>reaction mixture of epichlorohydrin and bis-phenol A</td>
<td>64.0</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Calcium carbonate</td>
<td>32.0</td>
</tr>
<tr>
<td>75701-44-9</td>
<td>Thermoplastic copolymer</td>
<td>4.0</td>
</tr>
<tr>
<td>7440-31-5</td>
<td>Tin (Sn)</td>
<td>100.0</td>
</tr>
</tbody>
</table>

| 5            | Adhesive                               | 0.05   |
| 6            | Solder                                 | 0.02   |

| Total weight | 0.60 |

This Document was updated on: 2018/07/02

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