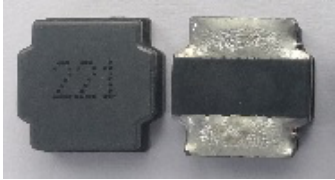


MATERIAL DECLARATION SHEET

| | | | | |
|-----------------|------------------|-----|---------|---|
| Material Number | SRN8040TA-Series | | |  |
| Product Line | Power Inductor | | | |
| Compliance Date | 2021/05/07 | | | |
| 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 | Ferrite body | Ferrite Ni-Zn Series | 0.6763 | Iron oxide | 1309-37-1 | 62.000 | 41.931 | 67.63 |
| | | | | Nickel oxide | 1313-99-1 | 11.000 | 7.439 | |
| | | | | Zinc oxide | 1314-13-2 | 20.000 | 13.526 | |
| | | | | Copper oxide | 1317-38-0 | 7.000 | 4.734 | |
| 2 | Copper/ Coating | Copper Wire | 0.2052 | Copper | 7440-50-8 | 100.000 | 20.520 | 20.93 |
| | | Copper Colored Coating On The Magnet Wire | 0.0041 | Polyurethane Resin | 26680-22-8 | 100.000 | 0.410 | |
| 3 | Terminal-Ag | Silver paste | 0.0225 | Silver | 7440-22-4 | 73.700 | 1.658 | 2.25 |
| | | | | Silicon dioxide | 60676-86-0 | 15.800 | 0.356 | |
| | | | | Resins | 9004-57-3 | 10.500 | 0.236 | |
| 4 | Terminal-Ni | S Nickel Pellets | 0.0025 | Nickel | 7440-02-0 | 100.000 | 0.250 | 0.25 |
| 5 | Terminal-Sn | Lead Free Solder | 0.0025 | Tin | 7440-31-5 | 100.000 | 0.250 | 0.25 |
| 6 | Solder | Lead-Free Solder Bar | 0.0044 | Tin | 7440-31-5 | 99.300 | 0.437 | 0.44 |
| | | | | Copper | 7440-50-8 | 0.700 | 0.003 | |
| 7 | Adhesive | MAGNETIC RESIN | 0.0821 | Iron | 7439-89-6 | 59.400 | 4.877 | 8.21 |
| | | | | Silicon | 7440-21-3 | 2.100 | 0.172 | |
| | | | | Chromium | 7440-47-3 | 1.000 | 0.082 | |
| | | | | Polyester Resin | 113669-95-7 | 30.000 | 2.463 | |
| | | | | Carbon black | 1333-86-4 | 7.500 | 0.616 | |
| 8 | Marking | Hitachi IJ Printer INK | 0.0004 | Chrome III-Complex Dye | 117527-94-3 | 100.000 | 0.040 | 0.04 |
| Total weight | | | 1.00 | | | | | |

This Document was updated on: 2021/05/07