

# MATERIAL DECLARATION SHEET

**BOURNS®**

|                 |                   |     |         |                                                                                     |
|-----------------|-------------------|-----|---------|-------------------------------------------------------------------------------------|
| Material Number | SRF3225TAP-501Y   |     |         |  |
| Product Line    | Common Mode Choke |     |         |                                                                                     |
| Compliance Date | 2024/07/22        |     |         |                                                                                     |
| 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            | Ferrite body                  | Ferrite Ni-Zn Series                           | 0.0525              | Iron oxide                                               | 1309-37-1           | 62.000           | 46.500                            | 75.00                         |
|              |                               |                                                |                     | Nickel oxide                                             | 1313-99-1           | 11.000           | 8.250                             |                               |
|              |                               |                                                |                     | Zinc oxide                                               | 1314-13-2           | 20.000           | 15.000                            |                               |
|              |                               |                                                |                     | Copper oxide                                             | 1317-38-0           | 7.000            | 5.250                             |                               |
| 2            | Copper/ Coating               | Copper Wire                                    | 0.0098              | Copper                                                   | 7440-50-8           | 100.000          | 14.000                            | 17.00                         |
|              |                               | Copper Colored Coating On The Magnet Wire_SFHW | 0.0021              | Polyurethane Resin                                       | 26680-22-8          | 100.000          | 3.000                             |                               |
| 3            | Terminal                      | Silver paste_DP4303W                           | 0.0021              | Silver                                                   | 7440-22-4           | 73.700           | 2.211                             | 3.00                          |
|              |                               |                                                |                     | Silicon dioxide                                          | 60676-86-0          | 15.800           | 0.474                             |                               |
|              |                               |                                                |                     | Resins                                                   | 9004-57-3           | 10.500           | 0.315                             |                               |
| 4            | Solder Base                   | S Nickel Pellets                               | 0.0007              | Nickel                                                   | 7440-02-0           | 100.000          | 1.000                             | 1.00                          |
| 5            | Solder                        | Lead Free Solder                               | 0.0007              | Tin                                                      | 7440-31-5           | 100.000          | 1.000                             | 1.00                          |
| 6            | Adhesive                      | EPOXY_ME-5020H                                 | 0.0021              | Iron oxide                                               | 1309-37-1           | 66.667           | 2.000                             | 3.00                          |
|              |                               |                                                |                     | Trimanganese tetraoxide                                  | 1317-35-7           | 16.667           | 0.500                             |                               |
|              |                               |                                                |                     | Zinc oxide                                               | 1314-13-2           | 8.332            | 0.250                             |                               |
|              |                               |                                                |                     | Dicyanodiamide                                           | 461-58-5            | 4.167            | 0.125                             |                               |
|              |                               |                                                |                     | N-(2-methylphenyl)-N-(oxiranylmethyl)-Oxiranemethanamine | 40027-50-7          | 2.778            | 0.083                             |                               |
|              |                               |                                                |                     | Carbon black                                             | 1333-86-4           | 1.389            | 0.042                             |                               |
| 7            | Mark                          | Laser Marking                                  | -                   | -                                                        | -                   | -                | -                                 | -                             |
| Total weight |                               |                                                | 0.07                |                                                          |                     |                  |                                   |                               |

**This Document was updated on: 2024/07/22**

**Important remarks:**

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