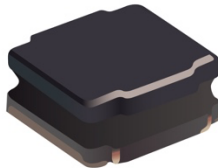


# MATERIAL DECLARATION SHEET

**BOURNS®**

|                 |                            |     |         |                                                                                     |
|-----------------|----------------------------|-----|---------|-------------------------------------------------------------------------------------|
| Material Number | SRN3015BTA Series(R24~470) |     |         |  |
| Product Line    | Power Inductor             |     |         |                                                                                     |
| Compliance Date | 2025/08/13                 |     |         |                                                                                     |
| 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                      | 0.0403974           | Iron oxide                       | 1309-37-1           | 62.000           | 46.382                            | 74.81                         |
|     |                               |                                           |                     | Nickel oxide                     | 1313-99-1           | 11.000           | 8.229                             |                               |
|     |                               |                                           |                     | Zinc oxide                       | 1314-13-2           | 20.000           | 14.962                            |                               |
|     |                               |                                           |                     | Copper oxide                     | 1317-38-0           | 7.000            | 5.237                             |                               |
| 2   | Copper/ Coating               | Copper Wire                               | 0.00648             | Copper                           | 7440-50-8           | 100.000          | 12.000                            | 15.00                         |
|     |                               | Copper Colored Coating On The Magnet Wire | 0.00162             | Polyurethane Resin               | 26680-22-8          | 100.000          | 3.000                             |                               |
| 3   | Terminal-Ag                   | Silver paste                              | 0.001215            | 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                          | 0.000135            | Nickel                           | 7440-02-0           | 100.000          | 0.250                             | 0.25                          |
| 5   | Terminal-Sn                   | Lead Free Solder                          | 0.000135            | Tin                              | 7440-31-5           | 100.000          | 0.250                             | 0.25                          |
| 6   | Solder                        | Lead-Free Solder Bar                      | 0.0002376           | Tin                              | 7440-31-5           | 99.300           | 0.437                             | 0.44                          |
|     |                               |                                           |                     | Copper                           | 7440-50-8           | 0.700            | 0.003                             |                               |
| 7   | Adhesive                      | MAGNETIC RESIN                            | 0.00378             | Iron                             | 7439-89-6           | 59.400           | 4.158                             | 7.00                          |
|     |                               |                                           |                     | Silicon                          | 7440-21-3           | 2.100            | 0.147                             |                               |
|     |                               |                                           |                     | Chromium                         | 7440-47-3           | 1.000            | 0.070                             |                               |
|     |                               |                                           |                     | Polyester Resin                  | 113669-95-7         | 30.000           | 2.100                             |                               |
|     |                               |                                           |                     | Carbon black                     | 1333-86-4           | 7.500            | 0.525                             |                               |
|     |                               | Total weight                              | 0.054               |                                  |                     |                  |                                   |                               |

**This Document was updated on: 2025/08/13**

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