


MATERIAL DECLARATION SHEET



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|-----------------|----------------------------------|-----|---|---|
| Material Number | SRN4026 SERIES | | |  |
| Product Line | Semi-Shielded SMD Power Inductor | | | |
| Compliance Date | Since inception | | | |
| RoHS Compliant | YES | MSL | 1 | |

| 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 | Core | Ferrite core | 83.52 | Iron oxide | 1309-37-1 | 57.29 | 34.802 | 60.745 |
| | | | | Nickel oxide | 1313-99-1 | 11.46 | 6.960 | |
| | | | | Zinc oxide | 1314-13-2 | 26.04 | 15.819 | |
| | | | | Copper oxide | 1317-38-0 | 5.21 | 3.164 | |
| | | Plating | 3.48 | Silver | 7440-22-4 | 25 | 0.633 | 2.532 |
| | | | | Glass non-lead | 65887-18-4 | 25 | 0.633 | |
| | | | | Tin | 7440-31-5 | 25 | 0.633 | |
| | | | | Nickel | 7440-02-0 | 25 | 0.633 | |
| 2 | Winding Wire | P180 | 33.36 | Copper | 7440-50-8 | 96 | 23.428 | 24.404 |
| | | | | Polyurethane Resin | 9009-54-5 | 4 | 0.976 | |
| 3 | Terminal | NP 303 | 9.53 | Tin | 7440-31-5 | 96.5 | 6.727 | 6.971 |
| | | | | Silver | 7440-22-4 | 3 | 0.209 | |
| | | | | Copper | 7440-50-8 | 0.5 | 0.035 | |
| 4 | Adhesive | Ferrite glue | 6.81 | Iron oxide | 1309-37-1 | 40 | 2.000 | 4.982 |
| | | | | Nickel oxide | 1313-99-1 | 5.4 | 1.993 | |
| | | | | Zinc oxide | 1314-13-2 | 4.6 | 0.269 | |
| | | | | Vinyl silicone oil | 68083-19-2 | 30 | 0.229 | |
| | | | | Dimethylvinylated & trimethylated silica | 68988-89-6 | 4 | 1.495 | |
| | | | | Dimethylhydropoly siloxane | 68037-59-2 | 16 | 0.797 | |

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BOURNS®

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|---|---------|--------------|-------|------------------------|------------|-----|-------|-------|
| 5 | Marking | JPK-67 | 0.5 | Chrome III-Complex Dye | 72812-34-1 | 100 | 0.366 | 0.366 |
| | | Total weight | 136.7 | | | | | |

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