

MATERIAL DECLARATION SHEET



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|-----------------|---------------------|-----|---|
| Material Number | SM91534AL | | |
| Product Line | Signal Transformers | | |
| Compliance Date | 2022-12-07 | | |
| RoHS Compliant | YES | MSL | 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 | Core | MnZn ferrite core | 0.25 | Iron oxide | 1309-37-1 | 52.9 | 4.3791 | 8.278 |
| | | | | Zinc oxide | 1314-13-2 | 13.6 | 1.1258 | |
| | | | | Manganese oxide | 1317-35-7 | 32.3 | 2.6738 | |
| | | | | [2.2]Paracyclophane | 1633-22-3 | 1.2 | 0.0993 | |
| | | NiZn ferrite core | 0.07 | Iron oxide | 1309-37-1 | 52.6 | 1.2192 | 2.318 |
| | | | | Zinc oxide | 1314-13-2 | 11 | 0.2550 | |
| | | | | Nickel oxide | 1313-99-1 | 33.5 | 0.7765 | |
| | | | | Copper oxide | 1317-38-0 | 2.2 | 0.0510 | |
| 2 | FIW Wire | Cu | 0.04 | Copper | 7440-50-8 | 75.3 | 0.9974 | 1.325 |
| | | Poly urethane resin | | Poly urethane resin | 9009-54-5 | 24.7 | 0.3272 | |
| 3 | TIW Wire | Copper Wire | 0.09 | Copper | 7440-50-8 | 68.05 | 2.0280 | 2.980 |
| | | | | PFA | 26655-00-5 | 31 | 0.9238 | |
| | | | | TDI-trimethylolpropane copolymer | 9017-09-8 | 0.95 | 0.0283 | |
| 4 | Case | DiallylPhthalate (DAP) Molding Compound | 1.75 | DAP resin | 25035-78-3 | 25 | 14.4868 | 57.947 |
| | | | | Aluminum Trihydroxide | 21645-51-2 | 45 | 26.0762 | |
| | | | | Glass Fiber | 65997-17-3 | 30 | 17.3841 | |
| 5 | Terminal PIN | | 0.09255 | Copper | 7440-50-8 | 99.72 | 3.0560 | 3.0646 |

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|---|-----------------|------------------------|---------|---------------------------------------|------------|------|---------|---------|
| | | Phosphor Bronze Alloys | | Phosphorus | 7723-14-0 | 0.28 | 0.0086 | |
| | | Nickel Plating | 0.00573 | Nickel | 7440-02-0 | 100 | 0.1897 | 0.1897 |
| | | Tin Plating | 0.00172 | Tin | 7440-31-5 | 100 | 0.0570 | 0.0570 |
| 6 | Silicone Rubber | Silicone Rubber | 0.700 | Vinyl Terminated Polydimethylsiloxane | 68083-19-2 | 55 | 12.7483 | 23.1788 |
| | | | | Silicon Dioxide | 14808-60-7 | 44 | 10.1987 | |
| | | | | Carbon Black | 1333-86-4 | 1 | 0.2318 | |
| 7 | Solder bar | Sn/Ag/Cu | 0.02 | Tin | 7440-31-5 | 96.5 | 0.6391 | 0.662 |
| | | | | Silver | 7440-22-4 | 3 | 0.0199 | |
| | | | | Copper | 7440-50-8 | 0.5 | 0.0033 | |
| | | Total weight | 3.02 | | | | | |

This Document was updated on: 2022-12-07

Important remarks:

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