

MATERIAL DECLARATION SHEET



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|------------------------|---------------------|-----|---|---|
| Material Number | SM91527L | | |  |
| Product Line | Signal Transformers | | | |
| Compliance Date | 2026-03-03 | | | |
| 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(TA) | Mn-Zn Ferrite Magnet | 0.247 | Ferric oxide | 1309-37-1 | 53.5 | 4.3684 | 8.1653 | |
| | | | | Zinc oxide | 1314-13-2 | 13.8 | 1.1268 | | |
| | | | | Manganese oxide | 1317-35-7 | 32.7 | 2.6700 | | |
| | Core(TB) | Ni-Zn Ferrite Magnet | 0.06951 | [2.2]Paracyclophane | 1633-22-3 | 100 | 0.0992 | 0.0992 | |
| | | | | Ferric oxide | 1309-37-1 | 53 | 1.2179 | 2.2979 | |
| | | | | Zinc oxide | 1314-13-2 | 11.1 | 0.2551 | | |
| | | | | Nickelous oxide | 1313-99-1 | 33.7 | 0.7744 | | |
| | 2 | Blue enamelled wire | Lacquer PUR | 0.00335 | Cupric oxide | 1317-38-0 | 2.2 | 0.0506 | 0.0162 |
| [2.2]Paracyclophane | | | | | 1633-22-3 | 100 | 0.0162 | | |
| Copper | | | | | 7440-50-8 | 100 | 0.5445 | 0.5445 | |
| Red enamelled wire | | Lacquer PA | 0.00018 | 0.00018 | Polyurethane | 9009-54-5 | 99 | 0.1096 | 0.1107 |
| | | | | | C.I.Direct Blue 78 | 2503-73-3 | 1 | 0.0011 | |
| | | | | | Copper | 7440-50-8 | 100 | 0.5445 | 0.5445 |
| | | | | | Polyurethane | 9009-54-5 | 99 | 0.1096 | |
| Lacquer PUR | 0.00335 | 0.00335 | Pigment Red 3 | 2425-85-6 | 1 | 0.0011 | 0.1107 | | |
| | | | Polyamide resin | 70024-79-2 | 100 | 0.0060 | 0.0060 | | |

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|--------------------------|-------------------------|-----------------------------|-----------|---|------------|--------|---------|---------|
| | Yellow insulated wire | Copper | 0.0181 | Copper | 7440-50-8 | 100 | 0.5983 | 0.5983 |
| | | Lacquer PUR | 0.0011 | Polyurethane | 9017-09-8 | 100 | 0.0364 | 0.0364 |
| | | Plastics PFA (Unfilled) | 0.0258 | Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether)) | 26655-00-5 | 99.7 | 0.8503 | 0.8529 |
| | | | | Titanium dioxide | 13463-67-7 | 0.2 | 0.0017 | |
| | C.I. Pigment Yellow 161 | 68611-43-8 | 0.1 | 0.0009 | | | | |
| | Green insulated wire | Copper | 0.0181 | Copper | 7440-50-8 | 100 | 0.5983 | 0.5983 |
| | | Lacquer PUR | 0.0011 | Polyurethane | 9017-09-8 | 100 | 0.0364 | 0.0364 |
| | | Plastics PFA (Unfilled) | 0.0258 | Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether)) | 26655-00-5 | 99.7 | 0.8503 | 0.8529 |
| | | | | Nickel titanate | 12035-39-1 | 0.2 | 0.0017 | |
| | C.I. Pigment Green 50 | 68186-85-6 | 0.1 | 0.0009 | | | | |
| 3 | Case | Plastics PDAP (Filled) | 1.75 | DAP resin | 25035-78-3 | 25 | 14.4628 | 57.8512 |
| | | | | Aluminum Trihydroxide | 21645-51-2 | 45 | 26.0331 | |
| | | | | Glass Fiber | 65997-17-3 | 30 | 17.3554 | |
| 4 | Terminal Pin | Copper Alloy C5191 | 0.09255 | Copper | 7440-50-8 | 93.45 | 2.8591 | 3.0595 |
| | | | | Tin | 7440-31-5 | 6.25 | 0.1912 | |
| | | | | Phosphorus | 7723-14-0 | 0.2 | 0.0061 | |
| | | | | Iron | 7439-89-6 | 0.1 | 0.0031 | |
| | | Electrolytic Nickel Plating | 0.00172 | Nickel | 7440-02-0 | 100 | 0.0569 | 0.0569 |
| Electrolytic Tin Plating | 0.00573 | Tin | 7440-31-5 | 100 | 0.1894 | 0.1894 | | |
| 5 | Adhesive | Adhesive VMQ | 0.7 | Silicone Rubber | 63394-02-5 | 55 | 12.7273 | 23.1405 |
| | | | | Silicon Dioxide | 14808-60-7 | 44 | 10.1818 | |
| | | | | Carbon Black | 1333-86-4 | 1 | 0.2314 | |
| 6 | Insulating sheet | Meta-aramid Paper | 0.005 | Poly[N,N'-(1,3-phenylene)isophthalamide] | 25765-47-3 | 100 | 0.1653 | 0.1653 |
| 7 | Solder | Solder A30C5 | 0.02 | Tin | 7440-31-5 | 96.5 | 0.6380 | 0.6612 |

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| | | | | | | | |
|--|--|--------------|--------|-----------|-----|--------|--|
| | | | Silver | 7440-22-4 | 3 | 0.0198 | |
| | | | Copper | 7440-50-8 | 0.5 | 0.0033 | |
| | | Total weight | 3.03 | | | | |

This Document was updated on: 2026-03-03

Important remarks:

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