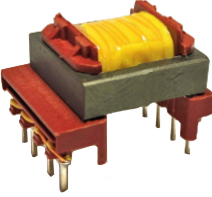


MATERIAL DECLARATION



| | | | | |
|-----------------|-------------------------|-----|-----|---|
| Material Number | 063932 | | |  |
| Product Line | Smart Power Transformer | | | |
| Compliance Date | December 01, 2022 | | | |
| RoHS Compliant | YES | MSL | N/A | |

| 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 Core (Set) | Manganese-Zinc-Ferrite | 3.1 | Manganese-Zinc-Ferrite | 12645-49-7 | 100 | 52.45 | 52.45 |
| 2 | Coil Former | Glass Fiber Reinforced Polyamide | 0.8 | Polyamide 66 | 32131-17-2 | 57.0 | 7.72 | 13.54 |
| | | | | Glass Fiber | 65997-17-3 | 35.0 | 4.74 | |
| | | | | Red Phosphorous | 7723-14-0 | 6.0 | 0.81 | |
| | | | | Additives, not to declare | -- | 2.0 | 0.27 | |
| | | CuNi18Zn20 | 0.22 | Copper | 7440-50-8 | 60 - 63 | 2.23-2.35 | 3.72 |
| | | | | Zinc | 7440-66-6 | 19.97 | 0.74 | |
| | | | | Nickel | 7440-02-0 | 17 - 19 | 0.63-0.71 | |
| | | | | Manganese | 7439-96-5 | 0.0 - 0.5 | 0.0-0.02 | |
| | | | | Iron | 7439-89-6 | 0.0 - 0.3 | 0.0-0.01 | |
| | | | | Tin | 7440-31-5 | 0.0 - 0.03 | 0.0-0.001 | |
| Lead | 7439-92-1 | 0.0 - 0.03 | 0.0-0.001 | | | | | |
| Misc., not to declare | -- | 0.0 - 0.2 | 0.0-0.007 | | | | | |
| 3 | DIW Wire | Double Insulated Wire | 0.6 | Copper | 7440-50-8 | 95 | 9.65 | 10.15 |
| | | | | Polyurethane | 9009-54-5 | 4.75 | 0.48 | |
| | | | | Additives, not to declare | -- | 0.25 | 0.03 | |
| 4 | TIW Wire | Triple Insulated Wire | 0.9 | Copper | 7440-50-8 | 86.0 | 13.10 | 15.23 |
| | | | | Polyester | -- | 8.5 | 1.29 | |
| | | | | Polyamide | -- | 5.5 | 0.84 | |
| 5 | Adhesive Tape | Polyester Tape | 0.13 | Polyethylene terephthalate | 25038-59-9 | 50.0 | 1.10 | 2.20 |
| | | | | Acrylate Polymer | -- | 50.0 | 1.10 | |

MATERIAL DECLARATION



| | | | | | | | | |
|---|----------|----------------|------|-------------------------|-----------|-----------|-----------|------|
| 6 | Adhesive | Acrylic | 0.06 | Polymethyl methacrylate | 9011-14-7 | 99.0-99.9 | 1.00-1.01 | 1.02 |
| | | | | Misc., not to declare | -- | 0.1-1.0 | 0.0-0.01 | |
| 7 | Solder | Sn99Ag0.3Cu0.7 | 0.1 | Tin | 7440-31-5 | 99.0 | 1.68 | 1.69 |
| | | | | Copper | 7440-50-8 | 0.7 | 0.01 | |
| | | | | Silver | 7440-22-4 | 0.3 | 0.005 | |
| | | Total weight | 5.91 | | | | | |

This Document was updated on: August 4, 2023

Important remarks:

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