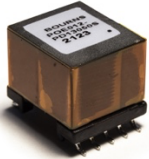


MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|------------------------|-----|----------|---|
| Material Number | POE012-PD13120S | | |  |
| Product Line | transformer | | | |
| Compliance Date | 2021/3/18 | | | |
| 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 | BOBBIN | PM9630 | 2.206 | Phenolic Resin | 9003-35-4 | 40.9% | 10.368 | 25.35% |
| | | | | Aluminum Silicate | 92704-41-1 | 5.1% | 1.293 | |
| | | | | Glass Fiber | 65997-17-3 | 51% | 12.929 | |
| | | | | Carbon Black | 1333-86-4 | 2% | 0.507 | |
| | | | | Zinc Stearate | 557-05-1 | 1% | 0.254 | |
| 2 | WIRE | XUEW | 0.8 | Copper | 7440-50-8 | 80% | 7.356 | 9.20% |
| | | | | Modified polyurethane | 26680-22-8 | 20% | 1.839 | |
| 3 | WIRE | UEWH | 1.2 | Copper | 7440-50-8 | 98% | 13.517 | 13.79% |
| | | | | Polyurethane | 68400-69-9 | 2% | 0.276 | |
| 4 | TAPE | PI-310 | 0.2 | Polyimide film | 62929-02-6 | 44% | 1.011 | 2.3% |
| | | | | Acrylate polymer | 9017-68-9 | 56% | 1.287 | |
| 5 | CORE | DP95 | 3.74 | Iron oxide | 1309-37-1 | 70% | 30.092 | 42.99% |
| | | | | Manganese oxide | 1317-35-7 | 20% | 8.598 | |
| | | | | Zinc oxide | 1314-13-2 | 10% | 4.299 | |
| 6 | GLUE | S-9001 | 0.1 | Epoxy Resin | 25036-25-3 | 67.4% | 0.775 | 1.15% |
| | | | | Alkyd glycidyl ether | 68609-97-2 | 2.3% | 0.026 | |
| | | | | Carbon black | 1333-86-4 | 5.6% | 0.064 | |
| | | | | Silicon dioxide | 7631-86-9 | 24.7% | 0.284 | |

MATERIAL DECLARATION SHEET



| | | | | | | | | |
|---|----------|--------|-------|--------------|-----------|------------|--------|-------|
| 7 | SOLDER | M20(E) | 0.1 | Tin | 7440-31-5 | 99.3% | 1.141% | 1.15% |
| | | | | Copper | 7440-50-8 | 0.7% | 0.008% | |
| 8 | TERMINAL | C5191 | 0.354 | Copper | 7440-50-8 | 88.8% | 3.613% | 4.07% |
| | | | | Nickel | 7440-02-0 | 1% | 0.041% | |
| | | | | Tin | 7440-31-5 | 10% | 0.407% | |
| | | | | Phosphorous | 7723-14-0 | 0.2% | 0.008% | |
| | | | | Total weight | | 8.7 | | |

This Document was updated on: 2021/3/18