

ELEMENTAL ANALYSIS



**MAX
245°C**

**MSL
1**

| PRODUCT FAMILY | Material | CAS Number | % Normalize for BOM | Wt. Of BOM Item (g) | % by Wt (Comp. Item) | mg/unit | % by Wt Of Unit 185.50 | ppm | |
|----------------------|-----------------|----------------|---------------------|---------------------|----------------------|--------------------|------------------------|----------------|----------------|
| 770 4 | Alumina Ceramic | Al2O3 | 1344-28-1 | 0.3854 | 0.0715 | 95.00% | 67.9171 | 36.61% | 366130 |
| | | SiO2 | 14808-60-7 | | | 5.00% | 3.5746 | 1.93% | 19270 |
| | | | | | 100.00% | 71.4917 | | | |
| Conductor Thick Film | Ag | 7440-22-4 | 0.0055 | 0.0010 | 99.00% | 1.0100 | 0.54% | 5445 | |
| | | Pd | | | 7440-05-3 | 1.00% | 0.0102 | 0.01% | 55 |
| | | | | | 100.00% | 1.0203 | | | |
| Resistor Thick Film | RuO2 | 12036-10-1 | 0.0043 | 0.0008 | 30.00% | 0.2393 | 0.13% | 1290 | |
| | | PbO | | | 1317-36-8 | 10.00% | 0.0798 | 0.04% | 430 |
| | | SiO2 | | | 14808-60-7 | 30.00% | 0.2393 | 0.13% | 1290 |
| | | B2O3 | | | 1303-86-2 | 30.00% | 0.2393 | 0.13% | 1290 |
| | | | | | 100.00% | 0.7977 | | | |
| Overcoat | PbO | 1317-36-8 | 0.0043 | 0.0008 | 14.00% | 0.1117 | 0.06% | 602 | |
| | | SiO2 | | | 14808-60-7 | 43.00% | 0.3430 | 0.18% | 1849 |
| | | B2O3 | | | 1303-86-2 | 43.00% | 0.3430 | 0.18% | 1849 |
| | | | | | 100.00% | 0.7977 | | | |
| Lead Terminals | Fe | 7439-89-6 | 0.1869 | 0.0347 | 92.00% | 31.8964 | 17.19% | 171948 | |
| | | Mn | | | 7439-96-5 | 2.15% | 0.7454 | 0.40% | 4018 |
| | | Cu | | | 7440-50-8 | 2.00% | 0.6934 | 0.37% | 3738 |
| | | Sn | | | 7440-31-5 | 3.50% | 1.2134 | 0.65% | 6542 |
| | | Pb | | | 7439-92-1 | 0.35% | 0.1213 | 0.07% | 654 |
| | | | | | 100.00% | 34.6700 | | | |
| Solder | Pb | 7439-92-1 | 0.0967 | 0.0179 | 90.00% | 16.1441 | 8.70% | 87030 | |
| | | Sn | | | 7440-31-5 | 10.00% | 1.7938 | 0.97% | 9670 |
| | | | | | 100.00% | 17.9379 | | | |
| Protective coating | Epoxy Resin | 25068-38-6 | 0.3169 | 0.0588 | 36.00% | 21.1626 | 11.41% | 114084 | |
| | | Phenol, 4,4' | | | 40039-93-8 | 17.00% | 9.9934 | 5.39% | 53873 |
| | | SiO2 (silica) | | | 60676-86-0 | 47.00% | 27.6289 | 14.89% | 148943 |
| | | Sum | | | | 1.0000 part weight | 0.1855 | 100.00% | 58.7850 |
| | | | | | | | | | |
| | | Totals: | | 0.1855 | | | 185.50 | 100.00% | 1000000 |