

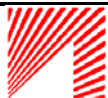
Material Declaration



| | |
|------------------|-------------|
| Package Type | 5 x 7 |
| Package Size | 5 x 7 mm |
| Terminal Finish | Gold |
| Finish Thickness | 0.5 microns |
| Weight (mg) | 152.000 |
| MSL | 1 |

| | |
|--------|-------|
| Series | CPPFX |
|--------|-------|

| Item | Material | Element | Content (mg) | Content (wt%) | CAS # | |
|--------------|---------------|------------------------|----------------|-----------------|------------|-----------|
| Cover | Kovar | Nickel (Ni) | 6.774 | 4.456% | 7440-02-0 | |
| | | Cobalt (Co) | 3.943 | 2.594% | 7440-48-4 | |
| | | Iron (Fe) | 12.666 | 8.333% | 7439-89-6 | |
| Base | Ceramic | Alumina (Al2O3) | 86.460 | 56.882% | 1344-28-1 | |
| | | Silicon Dioxide (SiO2) | 3.436 | 2.261% | 14808-60-7 | |
| | | Chromium Oxide (Cr2O3) | 3.690 | 2.427% | 1308-38-9 | |
| | | Titanium Oxide (TiO2) | 0.958 | 0.630% | 13463-67-7 | |
| | | Calcium Oxide (CaO) | 0.330 | 0.217% | 1305-79-9 | |
| | | Magnesium Oxide (MgO) | 0.474 | 0.312% | 1309-48-4 | |
| | | Tungsten (W) | 13.107 | 8.623% | 7440-33-7 | |
| | | Seal Ring | Nickel (Ni) | 5.122 | 3.369% | 7440-02-0 |
| | | | Gold (Au) | 0.584 | 0.384% | 7440-57-5 |
| | Iron (Fe) | | 6.399 | 4.210% | 7439-89-6 | |
| | Cobalt (Co) | | 2.434 | 1.601% | 7440-48-4 | |
| | Silver Solder | Silver (Ag) | 1.872 | 1.232% | 7440-22-4 | |
| | | Copper (Cu) | 0.330 | 0.217% | 7440-50-8 | |
| | IC | IC | Aluminum (Al) | 0.003 | 0.002% | 7429-90-5 |
| | | | Titanium (Ti) | 0.001 | 0.001% | 7440-32-6 |
| Silicon (Si) | | | 1.057 | 0.696% | 7440-21-3 | |
| Gold | | Gold (Au) | 0.316 | 0.208% | 7440-57-5 | |
| Adhesive | | Silver (Ag) | 0.00021 | 0.00014% | 7440-22-4 | |
| | | Epoxy | 0.00007 | 0.00005% | | |
| Capacitor | Body | Nickel (Ni) | 0.010 | 0.007% | 7440-02-0 | |
| | | BaTiO3 | 0.830 | 0.546% | 12047-27-7 | |
| | Termination | Nickel (Ni) | 0.013 | 0.009% | 7440-02-0 | |
| | | Tin (Sn) | 0.019 | 0.013% | 7440-31-5 | |
| | | Copper (Cu) | 0.025 | 0.016% | 7440-50-8 | |
| Crystal | Crystal | Silicon Dioxide (SiO2) | 1.123 | 0.739% | 14808-60-7 | |
| | Electrode | Silver (Ag) | 0.021 | 0.014% | 7440-22-4 | |
| | | Nickel (Ni) | 0.00018 | 0.00012% | 7440-02-0 | |
| | Adhesive | Silver (Ag) | 0.00041 | 0.00027% | 7440-22-4 | |
| | | Silicon (Si) | 0.00014 | 0.00009% | 7440-21-3 | |
| Total | | | 152.000 | 100.000% | | |



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