

GTXO-570 - 5V SM VCTCXO Wide Pulling Range

| Sub-Assembly | Material | Substance | CAS No | Mass (mg) | Sub-Assembly % by mass |
|---------------------|-------------------|-----------------|------------|-----------|------------------------|
| Base | Board | BT resin | | 19.000 | 18.05 |
| | Board | Glass Fibre | 65997-17-3 | 38.000 | 36.11 |
| | Pattern | Au | 7440-57-5 | 0.100 | 0.10 |
| | Pattern | Cu | 7440-50-8 | 38.000 | 36.11 |
| | Pattern | Ni | 7440-02-0 | 0.500 | 0.48 |
| | Resist ink | Resin | | 9.640 | 9.16 |
| Capacitor | Capacitor | Ag | 7440-22-4 | 1.780 | 7.66 |
| | Capacitor | Ni | 7440-02-0 | 0.185 | 0.80 |
| | Capacitor | Pd | 7440-53-3 | 4.880 | 21.01 |
| | Capacitor | Sn | 7440-31-5 | 0.185 | 0.80 |
| | Capacitor | TiO2 | 13463-67-7 | 16.200 | 69.74 |
| Crystal unit | Adhesive | Ag | 7440-22-4 | 0.370 | 0.59 |
| | Adhesive | Silicon Resin | 7631-86-9 | 0.125 | 0.20 |
| | Ceramic | Al2O3 | 1344-28-1 | 28.200 | 44.81 |
| | Ceramic | CaO | 1305-78-8 | 0.110 | 0.17 |
| | Ceramic | Cr2O3 (Non hex) | 1308-38-9 | 1.200 | 1.91 |
| | Ceramic | MgO | 1309-48-4 | 0.160 | 0.25 |
| | Ceramic | SiO2 | 14808-60-7 | 1.120 | 1.78 |
| | Ceramic | TiO2 | 13463-67-7 | 0.310 | 0.49 |
| | Crystal Electrode | Au | 7440-57-5 | 0.049 | 0.08 |
| | Crystal Electrode | Cr | 7440-47-3 | 0.001 | 0.00 |
| | Crystal blank | SiO2 | 14808-60-7 | 1.508 | 2.40 |
| | Gold Plate | Au | 7440-57-5 | 0.280 | 0.44 |
| | Kovar | Co | 7440-48-4 | 1.539 | 2.45 |
| | Kovar | Fe | 7439-89-6 | 4.320 | 6.86 |
| | Kovar | Ni | 7440-02-0 | 2.625 | 4.17 |
| | Metal layer | Mo | 7439-98-7 | 0.190 | 0.30 |
| | Metal layer | W | 7440-33-7 | 6.210 | 9.87 |
| | Nickel Plate | Co | 7440-48-4 | 0.200 | 0.32 |
| | Nickel Plate | Ni | 7440-02-0 | 0.800 | 1.27 |
| | Nickel plating | Ni | 7440-02-0 | 0.427 | 0.68 |
| | Seal Ring | Co | 7440-48-4 | 1.950 | 3.10 |
| | Seal Ring | Fe | 7439-89-6 | 6.200 | 9.85 |
| | Seal Ring | Ni | 7440-02-0 | 3.330 | 5.29 |
| Silver solder | Ag | 7440-22-4 | 1.450 | 2.30 | |
| Silver solder | Cu | 7440-50-8 | 0.260 | 0.41 | |
| Lid | German Silver | Cu | 7440-50-8 | 126.000 | 57.14 |
| | German Silver | Ni | 7440-02-0 | 42.000 | 19.05 |
| | German Silver | Zn | 7440-66-6 | 52.500 | 23.81 |
| Resistor | Alumina board | Al2O3 | 1344-28-1 | 3.143 | 82.56 |
| | Alumina board | SiO2 | 14808-60-7 | 0.097 | 2.55 |
| | Plating | Ni | 7440-02-0 | 0.086 | 2.26 |

Material Composition Data

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|---------------------|------------------|---------------------|------------|-----------|------------------------|
| Resistor | Plating | Ni | 7440-02-0 | 0.086 | 2.26 |
| | Plating | Sn | 7440-31-5 | 0.086 | 2.26 |
| | Protective glass | Al2O3 | 1344-28-1 | 0.002 | 0.05 |
| | Protective glass | B2O3 | 1303-86-2 | 0.007 | 0.18 |
| | Protective glass | PbO | 1317-36-8 | 0.033 | 0.87 |
| | Protective glass | PbO | 1317-36-8 | 0.033 | 0.87 |
| | Protective glass | SiO2 | 14808-60-7 | 0.018 | 0.47 |
| | Resistance paste | Al2O3 | 1344-28-1 | 0.001 | 0.03 |
| | Resistance paste | B2O3 | 1303-86-2 | 0.005 | 0.13 |
| | Resistance paste | PbO | 1317-36-8 | 0.026 | 0.68 |
| | Resistance paste | SiO2 | 14808-60-7 | 0.014 | 0.37 |
| | Resistor paste | RuO2 | 12036-10-1 | 0.013 | 0.34 |
| | Terminal paste | Ag | 7440-22-4 | 0.047 | 1.23 |
| | Terminal paste | PbO | 1317-36-8 | 0.005 | 0.13 |
| | Terminal paste | Pd | 7440-53-3 | 0.004 | 0.11 |
| | Terminal paste | SiO2 | 14808-60-7 | 0.004 | 0.11 |
| | Terminal paste | SiO2 | 14808-60-7 | 0.097 | 2.55 |
| Solder cream | Solder cream | Ag | 7440-22-4 | 0.600 | 3.00 |
| | Solder cream | Cu | 7440-50-8 | 0.100 | 0.50 |
| | Solder cream | Sn | 7440-31-5 | 19.300 | 96.50 |
| Thermistor | Base Plating | Ni | 7440-02-0 | 0.196 | 7.00 |
| | Electrode | Ag | 7440-22-4 | 0.280 | 10.00 |
| | Electrode | Pd | 7440-53-3 | 0.030 | 1.07 |
| | Element | Co3O4 | 1308-06-1 | 1.010 | 36.07 |
| | Element | Mn3O4 | 1317-35-7 | 0.640 | 22.86 |
| | Finish Plating | Sn | 7440-31-5 | 0.364 | 13.00 |
| | Glass | B2O3 | 1303-86-2 | 0.006 | 0.21 |
| | Glass | Cr2O3 (Non hex) | 1308-38-9 | 0.016 | 0.57 |
| | Glass | PbO | 1317-36-8 | 0.162 | 5.79 |
| | Glass | SiO2 | 14808-60-7 | 0.096 | 3.43 |
| Transistor | Element | Au | 7440-57-5 | 0.010 | 0.18 |
| | Element | Si | 7440-21-3 | 0.096 | 1.71 |
| | Frame | Cu | 7440-50-8 | 0.252 | 4.50 |
| | Frame | Fe | 7439-89-6 | 1.100 | 19.65 |
| | Frame | Ni | 7440-02-0 | 0.782 | 13.97 |
| | Frame | Other | | 0.022 | 0.39 |
| | Others | Other | | 0.024 | 0.43 |
| | Plating | Cu | 7440-50-8 | 0.005 | 0.09 |
| | Plating | Sn | 7440-31-5 | 0.245 | 4.38 |
| | Resin exterior | Azo compound | | 0.015 | 0.27 |
| | Resin exterior | Cr | 7440-47-3 | 0.001 | 0.02 |
| | Resin exterior | Epoxy resin bromide | 68541-56-0 | 0.106 | 1.89 |

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|--------------------------|----------------|--------------------|-----------|-------------------|------------------------|
| Transistor | Resin exterior | Organic phosphorus | | 0.015 | 0.27 |
| | Resin exterior | Other | | 0.742 | 13.25 |
| | Resin exterior | Sb2O3 | 1309-64-4 | 0.033 | 0.59 |
| | Resin exterior | Si compound | | 2.130 | 38.04 |
| | Wire | Au | 7440-57-5 | 0.021 | 0.38 |
| Trimmer capacitor | Alloy | Other | | 1.793 | 20.38 |
| | Alloy | Other | | 1.966 | 22.34 |
| | Ceramic | Al2O3 | 1344-28-1 | 4.787 | 54.40 |
| | Plate | Ni | 7440-02-0 | 0.005 | 0.06 |
| | Plate | Si compound | | 0.018 | 0.20 |
| | Plating | Ag | 7440-22-4 | 0.201 | 2.28 |
| | Plating | Ni | 7440-02-0 | 0.013 | 0.15 |
| | Plating | Sn | 7440-31-5 | 0.017 | 0.19 |
| Total Mass: | | | | 452.910 mg | |

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