

MATERIAL DECLARATION



| | | | |
|-----------------|-------------------------|-----|----------|
| Material Number | TC 33X-1 (1KΩ<RC<100KΩ) | | |
| Product Line | Trimmer | | |
| Compliance Date | 8-16-2004 | | |
| Updated | 03/30/2022 | | |
| RoHS Compliant | Yes DC 509 | MSL | 1 |



| No. | Construction Element (Subpart) | Homogeneous Material | Material Weight (g/pcs) | Homogeneous Material | CASRN | Material Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|--------------------------------|----------------------|-------------------------|----------------------|------------|-----------------|-----------------------------------|-------------------------------|
| | | | | Substance | | | | |
| 1 | CONTACT SPRING | Stainless Steel | 0.0088 | Nickel | 7440-02-0 | 9.25 | 2.66 | 28.74 |
| | | | | Silicon | 7440-21-3 | 0.500 | 0.144 | |
| | | | | Iron | 7439-89-6 | 70.2 | 20.2 | |
| | | | | Manganese | 7439-96-5 | 1.00 | 0.287 | |
| | | | | Chromium | 7440-47-3 | 19.0 | 5.460 | |
| | | | | Carbon | 7440-44-0 | 0.0400 | 0.0115 | |
| | | | | Phosphorus | 7723-14-0 | 0.0225 | 0.00647 | |
| | | | | Sulphur | 7704-34-9 | 0.0150 | 0.00431 | |
| 2 | SUBSTRATE | ALUMINA | 0.013 | Magnesium Glass | 7439-95-4 | 0.900 | 0.385 | 42.8 |
| | | | | Silica, Crystalline | 14808-60-7 | 2.80 | 1.20 | |
| | | | | Aluminum Glass | 7429-90-5 | 96.0 | 41.1 | |
| | | | | Calcium Glass | 7440-70-2 | 0.300 | 0.128 | |
| 3 | ELECTRODE | GLASS Ag-Pd | 0.00040 | Lead Glass | 7439-92-1 | 0.150 | 0.00196 | 1.31 |
| | | | | Borate Glass | 11129-12-7 | 0.0700 | 0.00261 | |
| | | | | Bismuth Glass | 7440-69-9 | 0.880 | 0.00980 | |
| | | | | Nickel | 7440-02-0 | 0.250 | 0.00327 | |
| | | | | Copper (metallic) | 7440-50-8 | 0.630 | 0.00980 | |
| | | | | Palladium | 7440-05-3 | 3.80 | 0.0196 | |
| | | | | Silver | 7440-22-4 | 92.0 | 1.25 | |

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|---|-------------------------|------------------------|-----------|-------------------------------------|------------|--------|----------|-------|
| | | | | Glass without declarable substances | - | 0.400 | 0.00523 | |
| 4 | RESISTIVE INK | METAL GLAZED RESISTORS | 0.00060 | Lead Glass | 7439-92-1 | 16.0 | 0.314 | 1.96 |
| | | | | Borate Glass | 11129-12-7 | 3.00 | 0.0588 | |
| | | | | Manganese Glass | 7439-96-5 | 1.30 | 0.0255 | |
| | | | | Ruthenium (IV) oxide | 12036-10-1 | 46.7 | 0.915 | |
| | | | | Glass without declarable substances | - | 33.0 | 0.647 | |
| 5 | TERMINAL CONNECTOR | Sn-3Ag-0.5Cu | 0.00100 | Lead | 7439-92-1 | 0.0499 | 0.00163 | 3.27 |
| | | | | Antimony | 7440-36-0 | 0.0500 | 0.00163 | |
| | | | | Arsenic, elemental | 7440-38-2 | 0.0300 | 0.00980 | |
| | | | | Bismuth | 7440-69-9 | 0.100 | 0.00327 | |
| | | | | Copper (metallic) | 7440-50-8 | 0.500 | 0.0163 | |
| | | | | Silver | 7440-22-4 | 3.00 | 0.0980 | |
| | | | | Tin | 7440-31-5 | 96.3 | 3.14 | |
| 6 | TERMINAL | STEEL | 0.00552 | Iron | 7439-89-6 | 99.6 | 17.9 | 18.0 |
| | | | | Manganese | 7439-96-5 | 0.300 | 0.0541 | |
| | | | | Carbon | 7440-44-0 | 0.0750 | 0.0135 | |
| | | | | Phosphorus | 7723-14-0 | 0.0500 | 0.00902 | |
| | | | | Sulphur | 7704-34-9 | 0.0250 | 0.00451 | |
| 7 | TERMINAL GROUND PLATING | Ni | 0.0000940 | Nickel | 7440-02-0 | 99.8 | 0.306 | 0.307 |
| | | | | Misc., not to declare | - | 0.250 | 0.000767 | |
| 8 | TERMINAL PLATING | Sn | 0.000205 | Tin | 7440-31-5 | 99.8 | 0.668 | 0.670 |
| | | | | Misc., not to declare | - | 0.250 | 0.00167 | |
| 9 | INSULATION | URETHANE ACRYL | 0.000900 | Further Additives, not to declare | - | 3.00 | 0.0882 | 2.94 |
| | | | | Acrylate Urethane Oligomer | - | 97.0 | 2.85 | |
| | | Total weight (g) | 0.0306 | | | | | |

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BOURNS[®]

Important remarks:

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