


MATERIAL DECLARATION SHEET

| | | | | |
|-----------------|-----------------------|-----|-----|---|
| Material Number | 3296 (51KΩ to 1MΩ) LF | | |  |
| Product Line | Trimmer | | | |
| Compliance Date | 3-9-2011 | | | |
| RoHS Compliant | Yes DC 509 | MSL | N/A | |

| No. | Construction Element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material | CASRN | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|--------------------------------|----------------------------|---------------------|-----------------------------|---------------|------------------|-----------------------------------|-------------------------------|
| | | | | Substances | if applicable | | | |
| 1 | Contact Spring | Stainless Steel | 0.0069 | Carbon | 7440-44-0 | 0.18 | 0.0015 | 0.83 |
| | | | | Manganese | 7439-96-5 | 2 | 0.0166 | |
| | | | | Phosphorus | 7723-14-0 | 0.045 | 0.0004 | |
| | | | | Sulfur | 7704-34-9 | 0.03 | 0.0002 | |
| | | | | Silicon | 7440-21-3 | 0.75 | 0.0062 | |
| | | | | Chromium | 7440-47-3 | 17 | 0.1408 | |
| | | | | Nickel | 7440-02-0 | 8 | 0.0663 | |
| 2 | Housing | Polybutylene terephthalate | 0.3 | Polybutylene terephthalate | 30965-26-5 | 49 | 17.6492 | 36.02 |
| | | | | Glass fiber | 65997-17-3 | 35 | 12.6066 | |
| | | | | Brominated flame retardant | Trade Secret | 10 | 3.6019 | |
| | | | | Antimony trioxide | 1309-64-4 | 6 | 2.1611 | |
| 3 | Rotor | Nylon | 0.038 | Polyamide 66 | 32131-17-2 | 60 | 2.7374 | 4.56 |
| | | | | Glass fiber | 65997-17-3 | 30 | 1.3687 | |
| | | | | Carbon black | 7440-44-0 | 2 | 0.0912 | |
| | | | | Tetrafluoroethylene polymer | 9002-84-0 | 8 | 0.3650 | |
| 4 | Potting | Epoxy | 0.078 | Epoxy resin | 25068-38-6 | 64 | 5.9935 | 9.36 |
| | | | | Antimony trioxide | 1309-64-4 | 11 | 1.0301 | |
| | | | | Aluminum oxide | 1344-28-1 | 10 | 0.9365 | |
| | | | | Kaolin clay | 1332-58-7 | 6 | 0.5619 | |
| | | | | Magnesium alumino silicate | 1302-88-1 | 9 | 0.8428 | |

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|---|-----------------|---------|--------|-------------------|------------|--------|---------|-------|
| 5 | Shaft | Brass | 0.102 | Copper | 7440-50-8 | 62 | 7.5927 | 12.25 |
| | | | | Zinc | 7440-66-6 | 35.05 | 4.2924 | |
| | | | | Iron | 7439-89-6 | 0.35 | 0.0429 | |
| | | | | Lead | 7439-92-1 | 2.6 | 0.3184 | |
| 6 | Substrate | Ceramic | 0.144 | Aluminum oxide | 1344-28-1 | 96 | 16.5974 | 17.29 |
| | | | | Silicon dioxide | 7631-86-9 | 2 | 0.3458 | |
| | | | | Magnesium oxide | 1309-48-4 | 1 | 0.1729 | |
| | | | | Calcium oxide | 1305-78-8 | 1 | 0.1729 | |
| 7 | Termination Ink | Ink | 0.004 | Silver | 7440-22-4 | 94 | 0.4505 | 0.48 |
| | | | | Palladium | 7440-05-3 | 3 | 0.0139 | |
| | | | | Bismuth | 7440-69-9 | 1.0 | 0.0048 | |
| | | | | Copper | 7440-50-8 | 2 | 0.0101 | |
| 8 | Resistive Ink | Ink | 0.005 | Silver | 7440-22-4 | 9 | 0.0540 | 0.60 |
| | | | | Boron | 7440-42-8 | 10 | 0.0600 | |
| | | | | Silicon | 7440-21-3 | 10 | 0.0600 | |
| | | | | Calcium | 7440-70-2 | 10 | 0.0600 | |
| | | | | Ruthenium dioxide | 12036-10-1 | 42 | 0.2521 | |
| | | | | Barium | 7440-39-3 | 2 | 0.0120 | |
| | | | | Carbon | 7440-44-0 | 1.5 | 0.0090 | |
| | | | | Titanium | 7440-32-6 | 2 | 0.0120 | |
| | | | | Copper | 7440-50-8 | 5.0 | 0.0300 | |
| | | | | Aluminum | 7429-90-5 | 5.5 | 0.0330 | |
| | | | | Zinc | 7440-66-6 | 1.5 | 0.0090 | |
| | | | | Magnesium | 7439-95-4 | 1 | 0.0060 | |
| | | | | Carbon | 7440-44-0 | 0.5 | 0.0030 | |
| 9 | Terminals | Copper | 0.151 | Copper | 7440-50-8 | 99.999 | 18.1292 | 18.54 |
| | | | | Oxygen | 7782-44-7 | 0.001 | 0.0002 | |
| | | Plating | 0.0034 | Tin | 7440-31-5 | 100 | 0.4082 | |

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| | | | | | | | | |
|----|-----------|--------------|--------|----------------------|------------|------|-------|-------|
| 10 | Lubricant | Lubricant | 0.0001 | Polydimethylsiloxane | 63148-62-9 | 58 | 0.030 | 0.052 |
| | | | | Dimethyl siloxane | 70131-67-8 | 9.5 | 0.005 | |
| | | | | Silica, amorphous | 7631-86-9 | 12.5 | 0.007 | |
| | | | | Siloxane/silicones | 63148-56-1 | 14 | 0.007 | |
| | | | | Tetrafluoroethane | 9002-84-0 | 6 | 0.003 | |
| | | Total Weight | 0.8329 | | | | | |

This Document was updated on: 9-17-2019

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Non RoHS complaint versions available without the LF suffix