


# MATERIAL DECLARATION SHEET



|                 |                        |     |     |   |
|-----------------|------------------------|-----|-----|---|
| Material Number | 3262 (10Ω to 250Ω ) 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                 | Ni/Ag                | 0.007               | copper                      | 7440-50-8     | 65               | 1.1868                            | 1.83                          |
|     |                                |                      |                     | nickel                      | 7440-02-0     | 18               | 0.3286                            |                               |
|     |                                |                      |                     | zinc                        | 7440-66-6     | 17               | 0.3104                            |                               |
| 2   | Housing                        | PBT                  | 0.164               | Polybutylene terephthalate  | 30965-26-5    | 49               | 20.9598                           | 42.78                         |
|     |                                |                      |                     | glass fiber                 | 65997-17-3    | 35               | 14.9713                           |                               |
|     |                                |                      |                     | brominated flame retardant  | trade secret  | 10               | 4.2775                            |                               |
|     |                                |                      |                     | antimony trioxide           | 1309-64-4     | 6                | 2.5665                            |                               |
| 3   | Rotor                          | Nylon                | 0.025               | Polyamide 66                | 32131-17-2    | 60               | 3.9124                            | 6.52                          |
|     |                                |                      |                     | glass fiber                 | 65997-17-3    | 30               | 1.9562                            |                               |
|     |                                |                      |                     | carbon black                | 1333-86-4     | 2                | 0.1304                            |                               |
|     |                                |                      |                     | Tetrafluoroethylene polymer | 9002-84-0     | 8                | 0.5216                            |                               |
| 4   | Potting                        | Epoxy                | 0.035               | epoxy resin                 | 25068-38-6    | 64               | 5.8425                            | 9.13                          |
|     |                                |                      |                     | antimony trioxide           | 1309-64-4     | 11               | 1.0042                            |                               |
|     |                                |                      |                     | aluminum oxide              | 1344-28-1     | 10               | 0.9129                            |                               |
|     |                                |                      |                     | kaolin clay                 | 1332-58-7     | 6                | 0.5477                            |                               |
|     |                                |                      |                     | Magnesium alumino silicate  | 1302-88-1     | 9                | 0.8216                            |                               |
| 5   | Shaft                          | Brass                | 0.049               | Copper                      | 7440-50-8     | 70               | 8.9463                            | 12.78                         |
|     |                                |                      |                     | Lead                        | 7439-92-1     | 3.1              | 0.3962                            |                               |
|     |                                |                      |                     | Zinc                        | 7440-66-6     | 26.9             | 3.4379                            |                               |
|     |                                |                      |                     | Nickel (plating)            | 7440-02-0     | 0.01             | 0.0013                            |                               |

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|   |                 |              |        |                     |            |     |         |       |
|---|-----------------|--------------|--------|---------------------|------------|-----|---------|-------|
| 6 | Substrate       | Ceramic      | 0.06   | Aluminum oxide      | 1344-28-1  | 96  | 15.0235 | 15.65 |
|   |                 |              |        | silicon dioxide     | 7631-86-9  | 2   | 0.3130  |       |
|   |                 |              |        | magnesium oxide     | 1309-48-4  | 1   | 0.1565  |       |
|   |                 |              |        | calcium oxide       | 1305-78-8  | 1   | 0.1565  |       |
| 7 | Termination Ink | Ink          | 0.0002 | Silver              | 7440-22-4  | 94  | 0.0489  | 0.05  |
|   |                 |              |        | Palladium           | 7440-05-3  | 3   | 0.0015  |       |
|   |                 |              |        | copper oxide        | 1317-39-1  | 1.2 | 0.0006  |       |
|   |                 |              |        | bismuth trioxide    | 1304-76-3  | 2   | 0.0011  |       |
| 8 | Resistive Ink   | Ink          | 0.002  | Silver              | 7440-22-4  | 25  | 0.1304  | 0.52  |
|   |                 |              |        | Palladium           | 7440-05-3  | 30  | 0.1565  |       |
|   |                 |              |        | Barium borate glass | 13701-59-2 | 41  | 0.2139  |       |
|   |                 |              |        | Manganese dioxide   | 1313-13-9  | 4   | 0.0209  |       |
| 9 | Terminals       | Copper       | 0.04   | Copper              | 7440-50-8  | 100 | 10.4330 | 10.75 |
|   |                 | Plating      | 0.0012 | Tin                 | 7440-31-5  | 100 | 0.3130  |       |
|   |                 | Total Weight | 0.3834 |                     |            |     |         |       |

**This Document was updated on: 9-23-2015**

**Important remarks:**

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