

# MATERIAL DECLARATION SHEET



|                 |                    |     |         |                                                                                     |
|-----------------|--------------------|-----|---------|-------------------------------------------------------------------------------------|
| Material Number | CHF8838CNF500L     |     |         |  |
| Product Line    | RF Power Resistors |     |         |                                                                                     |
| Compliance Date | June 01 2005       |     |         |                                                                                     |
| RoHS Compliant  | Yes                | MSL | Level 1 |                                                                                     |

| No.              | Construction Element(subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|------------------|-------------------------------|----------------------|---------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1                | Flange                        | Carrier              | 2.69                | Copper                           | 24304-00-5          | 99.2             | 86.92                             | 87.62                         |
|                  |                               |                      |                     | Nickel                           | 7440-02-0           | 0.8              | 0.70                              |                               |
| 2                | Chip                          | Ceramic              | 0.26                | Aluminum nitride                 | 2430400-5           | 96.6             | 8.18                              | 8.47                          |
|                  |                               |                      |                     | Platinum Silver                  | 7440-22-4           | 1.9              | 0.16                              |                               |
|                  |                               |                      |                     | Ruthenium oxide                  | 12036-10-1          | 0.7              | 0.06                              |                               |
|                  |                               |                      |                     | Zinc oxide                       | 1314-13-2           | 0.4              | 0.03                              |                               |
|                  |                               |                      |                     | Epoxy                            | 25068-38-2          | 0.4              | 0.03                              |                               |
| 3                | Solder                        | Solder               | 0.03                | Tin                              | 7440-31-5           | 96.0             | 0.94                              | 0.98                          |
|                  |                               |                      |                     | Silver                           | 7440-22-4           | 4.0              | 0.04                              |                               |
| 4                | Tab                           | Tab                  | 0.06                | Silver                           | 7440-22-4           | 100              | 1.95                              | 1.95                          |
| 5                | Tab Protection                | Epoxy                | 0.03                | Epoxy                            | 25068-38-2          | 100              | 0.98                              | 0.98                          |
| Total weight (g) |                               |                      | 3.07                |                                  |                     |                  |                                   |                               |

**This Document was updated on: November 5, 2008**

**Important remarks:**

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