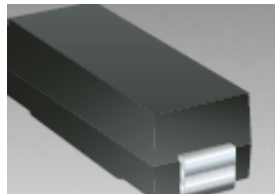


# MATERIAL DECLARATION SHEET



|                 |                                  |     |   |   |
|-----------------|----------------------------------|-----|---|---|
| Material Number | PWR6327                          |     |   |  |
| Product Line    | SURFACE MOUNT WIREWOUND RESISTOR |     |   |   |
| Compliance Date | 1/1/2000                         |     |   |   |
| RoHS Compliant  | YES                              | MSL | 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   | LEAD WIRE                     | COPPER               | 0.4479              | Copper                                     | 7440-50-8           | 100              | 30.865                            | 30.86                         |
| 2   | LEAD WIRE PLATING             | TIN                  | 0.0092              | Tin  | 7440-31-5           | 100              | 0.634                             | 0.63                          |
| 3   | END CAPS                      | 1018 STEEL           | 0.1732              | Carbon                                     | 1333-86-4           | 0.17             | 0.020                             | 11.93                         |
|     |                               |                      |                     | Iron                                       | 7439-89-6           | 98.99            | 11.809                            |                               |
|     |                               |                      |                     | Manganese                                  | 7439-96-5           | 0.75             | 0.089                             |                               |
|     |                               |                      |                     | Phosphorus                                 | 7440-31-5           | 0.04             | 0.005                             |                               |
|     |                               |                      |                     | Sulfur                                     | 7704-34-9           | 0.05             | 0.006                             |                               |
| 4   | RESISTANCE WIRE               | Ni-Cr ALLOY          | 0.0398              | Nickel                                     | 7440-02-0           | 73.99            | 2.029                             | 2.74                          |
|     |                               |                      |                     | Chromium                                   | 7440-47-3           | 20.00            | 0.549                             |                               |
|     |                               |                      |                     | Aluminum                                   | 7429-90-5           | 3.00             | 0.082                             |                               |
|     |                               |                      |                     | Silicon                                    | 7440-21-3           | 3.00             | 0.082                             |                               |
| 5   | EPOXY ENCAPSULANT             | EPOXY                | 0.5333              | Epoxy Cresol Novolac                       | 29690-82-2          | 20.0             |                                   | 36.74                         |
|     |                               |                      |                     | Silica                                     | 60676-86-0          | 60.0             |                                   |                               |
|     |                               |                      |                     | Poly(nitrilo(diphenoxyphosphora nylidyne)) | 28212-48-8          | 10               |                                   |                               |
|     |                               |                      |                     | Carbon black                               | 1333-86-4           | 5                |                                   |                               |
|     |                               |                      |                     | 2-Methylidazole                            | 693-98-1            | 5                |                                   |                               |

# MATERIAL DECLARATION SHEET



|   |      |          |        |                     |               |       |        |       |
|---|------|----------|--------|---------------------|---------------|-------|--------|-------|
| 6 | CORE | STEATITE | 0.2482 | Alumina             | 1344-28-1     | 75.00 | 12.823 | 17.10 |
|   |      |          |        | Silica              | 60676-86-0    | 23.42 | 4.004  |       |
|   |      |          |        | Magnesium oxide     | 1309-48-4     | 0.18  | 0.031  |       |
|   |      |          |        | Sodium dioxide      | 12401-86-4    | 0.91  | 0.156  |       |
|   |      |          |        | Iron oxide          | 1309-37-1     | 0.12  | 0.021  |       |
|   |      |          |        | Calcium oxide       | 1305-78-8     | 0.18  | 0.031  |       |
|   |      |          |        | Titanium dioxide    | 13463-67-7    | 0.06  | 0.010  |       |
|   |      |          |        | Boron trioxide      | 1303-86-2     | 0.12  | 0.021  |       |
|   |      |          |        | <b>Total Weight</b> | <b>1.4516</b> |       |        |       |

**This Document was updated on 11-21-2011**

**Important remarks:**

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