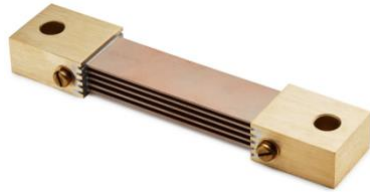


# MATERIAL DECLARATION



|                 |                |     |   |                                                                                     |
|-----------------|----------------|-----|---|-------------------------------------------------------------------------------------|
| Material Number | RSH            |     |   |  |
| Product Line    | Fixed Resistor |     |   |                                                                                     |
| Compliance Date | 12/19/2023     |     |   |                                                                                     |
| RoHS Compliant  | Yes            | MSL | 1 |                                                                                     |

## RSH-100-100

| No. | Construction Element (Subpart)                        | Homogeneous Material               | Material Weight (g) | Homogeneous Material Substance | CASRN     | Material Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|-------------------------------------------------------|------------------------------------|---------------------|--------------------------------|-----------|-----------------|-----------------------------------|-------------------------------|
| 1   | Resistive Material<br>Manganese, 0.040 X<br>3.65" 6FT | Manganin Alloy                     | 24.4033             | Copper                         | 7440-50-8 | 86.00%          | 18.4741%                          | 21.4815%                      |
|     |                                                       |                                    |                     | Nickel                         | 7440-02-0 | 4.00%           | 0.8593%                           |                               |
|     |                                                       |                                    |                     | Manganese                      | 7439-96-5 | 10.00%          | 2.1482%                           |                               |
| 2   | Base Terminal Block<br>Left                           | Brass Alloy C360                   | 41.1408             | Copper                         | 7440-50-8 | 58.60%          | 21.2221%                          | 36.2152%                      |
|     |                                                       |                                    |                     | Zinc                           | 7440-66-6 | 36.80%          | 13.3272%                          |                               |
|     |                                                       |                                    |                     | Lead                           | 7439-92-1 | 3.40%           | 1.2313%                           |                               |
|     |                                                       |                                    |                     | Tin                            | 7440-31-5 | 0.60%           | 0.2173%                           |                               |
|     |                                                       |                                    |                     | Iron                           | 7439-89-6 | 0.60%           | 0.2173%                           |                               |
| 3   | Base Terminal Block<br>Right                          | Brass Alloy C360                   | 41.1408             | Copper                         | 7440-50-8 | 58.60%          | 21.2221%                          | 36.2152%                      |
|     |                                                       |                                    |                     | Zinc                           | 7440-66-6 | 36.80%          | 13.3272%                          |                               |
|     |                                                       |                                    |                     | Lead                           | 7439-92-1 | 3.40%           | 1.2313%                           |                               |
|     |                                                       |                                    |                     | Tin                            | 7440-31-5 | 0.60%           | 0.2173%                           |                               |
|     |                                                       |                                    |                     | Iron                           | 7439-89-6 | 0.60%           | 0.2173%                           |                               |
| 4   | Lead-Free Solder,<br>Hi Temperature                   | Lead-Free Solder,<br>SAC305 0.031D | 2.4710              | Copper                         | 7440-50-8 | 0.50%           | 0.0109%                           | 2.1752%                       |
|     |                                                       |                                    |                     | Tin                            | 7440-31-5 | 96.50%          | 2.0990%                           |                               |
|     |                                                       |                                    |                     | Silver                         | 7440-22-4 | 3.00%           | 0.0653%                           |                               |
| 5   | Screws,<br>8-32 x 3/8"                                | Brass Alloy C260                   | 3.3566              | Copper                         | 7440-50-8 | 70.00%          | 2.0683%                           | 2.9547%                       |
|     |                                                       |                                    |                     | Zinc                           | 7440-66-6 | 30.00%          | 0.8864%                           |                               |
| 6   |                                                       | Brass Alloy C260                   | 0.6350              | Copper                         | 7440-50-8 | 70.00%          | 0.3913%                           | 0.5590%                       |

# MATERIAL DECLARATION



|   |                          |                             |          |           |           |        |         |         |
|---|--------------------------|-----------------------------|----------|-----------|-----------|--------|---------|---------|
|   | Washer,<br>#8 Flat       |                             |          | Zinc      | 7440-66-6 | 30.00% | 0.1677% |         |
| 7 | Lock Washer,<br>#8 Split | Silicon Bronze<br>Alloy 651 | 0.4536   | Copper    | 7440-50-8 | 97.00% | 0.3873% | 0.3993% |
|   |                          |                             |          | Manganese | 7439-96-5 | 1.00%  | 0.0040% |         |
|   |                          |                             |          | Silicon   | 7440-21-3 | 2.00%  | 0.0080% |         |
|   |                          | Total Weight                | 113.6011 |           |           |        |         |         |

**This Document was updated on: 12/8/2025**

**Important remarks:**

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