

# MATERIAL DECLARATION



|                 |                |     |   |                                                                                     |
|-----------------|----------------|-----|---|-------------------------------------------------------------------------------------|
| Material Number | RSB            |     |   |  |
| Product Line    | Fixed Resistor |     |   |                                                                                     |
| Compliance Date | 4/22/2024      |     |   |                                                                                     |
| RoHS Compliant  | Yes            | MSL | 1 |                                                                                     |

| RSB-200-100 |                                                  |                                |                     |                                |           |                 |                                   |                               |
|-------------|--------------------------------------------------|--------------------------------|---------------------|--------------------------------|-----------|-----------------|-----------------------------------|-------------------------------|
| 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 Manganese, 0.0253 X 1.26" 6FT | Manganin Alloy                 | 52.7100             | Copper                         | 7440-50-8 | 86.00%          | 12.3929%                          | 14.4103%                      |
|             |                                                  |                                |                     | Nickel                         | 7440-02-0 | 4.00%           | 0.5764%                           |                               |
|             |                                                  |                                |                     | Manganese                      | 7439-96-5 | 10.00%          | 1.4410%                           |                               |
| 2           | Base Terminal Block Left                         | Brass Alloy C360               | 94.3500             | Copper                         | 7440-50-8 | 58.60%          | 15.1154%                          | 25.7942%                      |
|             |                                                  |                                |                     | Zinc                           | 7440-66-6 | 36.80%          | 9.4923%                           |                               |
|             |                                                  |                                |                     | Lead                           | 7439-92-1 | 3.40%           | 0.8770%                           |                               |
|             |                                                  |                                |                     | Tin                            | 7440-31-5 | 0.60%           | 0.1548%                           |                               |
|             |                                                  |                                |                     | Iron                           | 7439-89-6 | 0.60%           | 0.1548%                           |                               |
| 3           | Base Terminal Block Right                        | Brass Alloy C360               | 94.3500             | Copper                         | 7440-50-8 | 58.60%          | 15.1154%                          | 25.7942%                      |
|             |                                                  |                                |                     | Zinc                           | 7440-66-6 | 36.80%          | 9.4923%                           |                               |
|             |                                                  |                                |                     | Lead                           | 7439-92-1 | 3.40%           | 0.8770%                           |                               |
|             |                                                  |                                |                     | Tin                            | 7440-31-5 | 0.60%           | 0.1548%                           |                               |
|             |                                                  |                                |                     | Iron                           | 7439-89-6 | 0.60%           | 0.1548%                           |                               |
| 4           | Solder, SAC305 0.031D                            | Hi Temperature Solder, PB Free | 2.4700              | Copper                         | 7440-50-8 | 0.50%           | 0.0034%                           | 0.6753%                       |
|             |                                                  |                                |                     | Tin                            | 7440-31-5 | 96.50%          | 0.6516%                           |                               |
|             |                                                  |                                |                     | Silver                         | 7440-22-4 | 3.00%           | 0.0203%                           |                               |
| 5           | Screws Pan Head, 8-32 x 3/8"                     | Brass Alloy C260               | 3.3600              | Copper                         | 7440-50-8 | 70.00%          | 0.6430%                           | 0.9186%                       |
|             |                                                  |                                |                     | Zinc                           | 7440-66-6 | 30.00%          | 0.2756%                           |                               |
| 6           | Screws Flat Head, 1/4-20 x 1/2"                  | Brass Alloy C260               | 7.2600              | Copper                         | 7440-50-8 | 70.00%          | 1.3894%                           | 1.9848%                       |
|             |                                                  |                                |                     | Zinc                           | 7440-66-6 | 30.00%          | 0.5954%                           |                               |
| 7           |                                                  |                                | 2.3600              | Copper                         | 7440-50-8 | 70.00%          | 0.4516%                           | 0.6452%                       |

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|    |                               |                             |          |                             |              |        |         |          |
|----|-------------------------------|-----------------------------|----------|-----------------------------|--------------|--------|---------|----------|
|    | Washer,<br>#8 Flat            | Brass Alloy<br>C260         |          | Zinc                        | 7440-66-6    | 30.00% | 0.1936% |          |
| 8  | Lock Washer,<br>#8 Split      | Silicon Bronze<br>Alloy 651 | 0.6400   | Copper                      | 7440-50-8    | 97.00% | 0.1697% | 0.1750%  |
|    |                               |                             |          | Manganese                   | 7439-96-5    | 1.00%  | 0.0017% |          |
|    |                               |                             |          | Silicon                     | 7440-21-3    | 2.00%  | 0.0035% |          |
| 9  | Washer,<br>3/8" Flat          | Brass Alloy 360             | 9.6200   | Copper                      | 7440-50-8    | 60.80% | 1.5990% | 2.6300%  |
|    |                               |                             |          | Zinc                        | 7440-66-6    | 35.50% | 0.9336% |          |
|    |                               |                             |          | Lead                        | 7439-92-1    | 3.35%  | 0.0881% |          |
|    |                               |                             |          | Iron                        | 7439-89-6    | 0.35%  | 0.0092% |          |
| 10 | Lock Washer,<br>3/8" Split    | Silicon Bronze<br>Alloy 651 | 6.2600   | Copper                      | 7440-50-8    | 97.00% | 1.6601% | 1.7114%  |
|    |                               |                             |          | Manganese                   | 7439-96-5    | 1.00%  | 0.0171% |          |
|    |                               |                             |          | Silicon                     | 7440-21-3    | 2.00%  | 0.0342% |          |
| 11 | Shunt Base,<br>Plastic Molded | Phenolic                    | 56.2500  | Polycarbonate               | 25037-45-0   | 33.00% | 5.0748% | 15.3781% |
|    |                               |                             |          | Polycarbonate               | 24936-68-3   | 33.00% | 5.0748% |          |
|    |                               |                             |          | Fiber Glass                 | 65997-17-3   | 30.00% | 4.6134% |          |
|    |                               |                             |          | Silicone Element            | 63148-62-9   | 2.00%  | 0.3076% |          |
|    |                               |                             |          | Carbon Black                | 1333-86-4    | 2.00%  | 0.3076% |          |
| 12 | Hex Cap,<br>3/8-16 x 5/8"     | Brass Alloy<br>C270         | 32.6600  | Copper                      | 7440-50-8    | 65.00% | 5.8038% | 8.9289%  |
|    |                               |                             |          | Zinc                        | 7440-66-6    | 35.00% | 3.1251% |          |
| 13 | Epoxy Resin w/<br>Catalyst    | 50-3150RFRBK                | 3.4900   | Aluminum Hydroxide          | 21645-51-2   | 57.25% | 0.5462% | 0.9541%  |
|    |                               |                             |          | Phenol                      | 25068-38-6   | 31.25% | 0.2982% |          |
|    |                               |                             |          | Diethylmethylbenzenediamine | 68479-98-1   | 6.00%  | 0.0572% |          |
|    |                               |                             |          | Carbon Black                | 1333-86-4    | 0.50%  | 0.0048% |          |
|    |                               |                             |          | Confidential Substances     | Trade secret | 5.00%  | 0.0477% |          |
|    |                               | Total Weight                | 365.7800 |                             |              |        |         |          |

**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.