


MATERIAL DECLARATION SHEET



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|-----------------|--------------|-----|---|---|
| Material Number | MOV-07D561K | | |  |
| Product Line | MOV Products | | | |
| Compliance Date | 6-Nov-2025 | | | |
| 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 | Zinc Oxide Disc | Zinc Oxide Disc | 0.4465 | Zinc Oxide | 1314-13-2 | 95.50% | 56.31% | 58.96% |
| | | | | Silver | 7440-22-4 | 2.00% | 1.18% | |
| | | | | Silicon Dioxide. | 7631-86-9 | 0.50% | 0.29% | |
| | | | | Nickel(III) oxide | 1314-06-3 | 0.60% | 0.35% | |
| | | | | Antimony(III) oxide | 1309-64-4 | 0.50% | 0.29% | |
| | | | | Cobalt oxide | 1307-96-6 | 0.50% | 0.29% | |
| | | | | Trimanganese Tetraoxide | 1317-35-7 | 0.40% | 0.24% | |
| 2 | Solder | Solder | 0.0191 | Tin | 7440-31-5 | 97.50% | 2.46% | 2.52% |
| | | | | Silver | 7440-22-4 | 2.00% | 0.05% | |
| | | | | Copper | 7440-50-8 | 0.50% | 0.01% | |
| 3 | Coater/Epoxy Resin | Coater/Epoxy Resin | 0.0934 | Epoxy Resin | 25036-25-3 | 47.30% | 5.83% | 12.33% |
| | | | | Fused Silica | 60676-86-6 | 41.00% | 5.06% | |
| | | | | Cupric carbonate basic | 12069-69-1 | 2.90% | 0.36% | |
| | | | | Titanium dioxide | 13463-67-7 | 1.60% | 0.20% | |
| | | | | Others | ---- | 7.20% | 0.89% | |
| 4 | Lead wire | Iron-copper | 0.1933425 | Iron | 7439-89-6 | 87.18% | 22.26% | 26.19% |
| | | | | Copper | 7440-50-8 | 12.82% | 3.27% | |

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|--|--|--------------|-----------|-----|-----------|------|-------|--|
| | | Coating | 0.0049575 | Tin | 7440-31-5 | 100% | 0.65% | |
| | | Total weight | 0.7573 | | | | | |

This Document was updated on:

Important remarks:

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

Instructions: Please note, an example of a completed form follows these instructions.

A Material Declaration sheet is to be completed for each product family or variation of a product family regardless of RoHS compliance status.

The following information is to be placed into the appropriate space on the form:

- 1) Material Group Number (Model number).
- 2) Brief description of the product line (i.e.; Panel Control; Chip Resistor; Line Protection Module, etc.).
- 3) The date the product family was determined to be Rohs compliant, leave blank if no RoHS version is available.
- 4) Yes or No.
- 5) Moisture Sensitivity Rating from J-STD-020C which can be found by going to the Bourns Intranet
 - a. Clicking on "Departments"
 - b. Clicking on "Environmental, Health and Safety"
 - c. Clicking on "Product Compliance Documents"
 - d. Clicking on "JEDEC Standards"
 - e. Clicking on "J-STD-020C" to open; scroll to page 13, table 5.1
- 6) Brief text description of the construction element of the product (i.e.; housing, contact spring, terminal, circuit board, etc.).
Place each element on its own line.
- 7) Homogeneous Material Description (i.e.; Nylon, Brass, Stainless steel, etc.) no Proprietary information is to be used.
- 8) The weight, in grams, of the Construction element to four decimal places max.
- 9) The basic constituents of the homogeneous materials (i.e.; for stainless steel it might be carbon, manganese, silicon, chromium, nickel, iron) each constituent on its own line with in the major line of the homogeneous material.
- 10) CAS number for each of the constituent materials. A list of substances currently being used can be found in the Outlook Public folders under RoHS Information.

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- 11) The weight of the individual substances from item (9) divided by the total Material weight of item (8) expressed as a percentage. 3 decimal places max. Ranges are acceptable for Non-Hazardous materials – however, use the average of the range for the percentage calculation. For hazardous Materials - use the maximum of the range listed. If the maximum number confirms NON-COMPLIANCE, contact the material supplier for range clarification.
- 12) The weight of the individual substances from item (9) divided by the total weight of the component (14) expressed as a percentage. 3 decimal places max.
- 13) The sum of the percentages of item (12) for the construction element (6) expressed as a percentage. 2 decimal places max.
- 14) The total weight of the component in grams. 4 decimal places max.
- 15) The actual date the document was created. Month/Day/Year format.
- 16) Any appropriate notes (i.e, ordering format or suffix requirements).
- 17) Appropriate Photographs or graphic representation of the product. Usually the same as the data sheet picture.