

# MATERIAL DECLARATION SHEET

**BOURNS®**

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	<b>0.7573</b>					

**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.