


MATERIAL DECLARATION SHEET



Material Number	MOV-14D330K			
Product Line	MOV Products			
Compliance Date	20-Jan-2025			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substances	if applicable			
1	Zinc Oxide Disc	Zinc Oxide Disc	0.8249	Zinc Oxide	1314-13-2	95.50%	50.87%	53.27%
				Silver	7440-22-4	2.00%	1.07%	
				Silicon Dioxide.	7631-86-9	0.50%	0.27%	
				Nickel(III) oxide	1314-06-3	0.60%	0.32%	
				Antimony(III) oxide	1309-64-4	0.50%	0.27%	
				Cobalt oxide	1307-96-6	0.50%	0.27%	
				Trimanganese Tetraoxide	1317-35-7	0.40%	0.21%	
2	Solder	Solder	0.0384	Tin	7440-31-5	97.50%	2.42%	2.48%
				Silver	7440-22-4	2.00%	0.05%	
				Copper	7440-50-8	0.50%	0.01%	
3	Coater/Epoxy Resin	Coater/Epoxy Resin	0.3402	Epoxy Resin	25036-25-3	46.10%	10.13%	21.97%
				Fused Silica	60676-86-0	40.00%	8.79%	
				Cupric carbonate basic	12069-69-1	2.80%	0.62%	
				1,2,4-Benzenetricarboxylic anhydride	552-30-7	2.50%	0.55%	
				Titanium dioxide	13463-67-7	1.60%	0.35%	

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				Others	----	7.00%	1.54%	
4	Lead wire	Iron-copper	0.3364725	Iron	7439-89-6	87.18%	18.94%	22.28%
				Copper	7440-50-8	12.82%	2.79%	
		Coating	0.0086275	Tin	7440-31-5	100%	0.56%	
Total weight			1.5486					

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.

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- 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 within 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.
- 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.