MATERIAL DECLARATION SHEET

BOURNS®

Material Number	CMH322522 Series		
Product Line	Chip Inductor		
Compliance Date	2024/09/05		
RoHS Compliant	Yes	MSL	Level 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	Ferrite body	Ferrite Ni-Zn Series	0.027328	Iron oxide	1309-37-1	62.000	38.8616	62.68
				Nickel oxide	1313-99-1	11.000	6.8948	
				Zinc oxide	1314-13-2	20.000	12.5360	
				Copper oxide	1317-38-0	7.000	4.3876	
2	Molding Compound	Phenolic Moulding Compound	0.004360	Phenol-formaldehyde resin	9003-35-4	30.000	3.0000	10.00
				Fiber Glass	65997-17-3	65.000	6.5000	
				Carbon black	1333-86-4	5.000	0.5000	
3	Copper/ Coating	Copper Wire	0.005232	Copper	7440-50-8	100.000	12.0000	15.00
		ELEKTRISOLA POLYURETHANE-BASED INSULATION VARNISH_P180	0.001308	Polyurethane Resin	26680-22-8	100.000	3.0000	
4	Terminal-Clip	Copper_C1100	0.002180	Copper	7440-50-8	100.000	5.0000	5.00
5	Solder	Lead Free Solder	0.000436	Tin	7440-31-5	100.000	1.0000	1.00
6	Solder (Internal Connection)	Solder_95Pb5Sn	0.001448	Lead	7439-92-1	95.060	3.1560	3.32
				Tin	7440-31-5	4.800	0.1594	
				Rosin	65997-05-9	0.140	0.0046	
7	Adhesive	EPOXY_ME-5890LC	0.000872	Epoxy resin	61788-97-4	50.000	1.0000	2.00
				Carbon black	1333-86-4	46.000	0.9200	
				Acrylated Aliphatic Urethane	68987-79-1	4.000	0.0800	
8	Marking	Hitachi IJ Printer INK	0.000436	ChromeⅢ-Complex Dye	117527-94-3	100.000	1.0000	1.00
		Total weight	0.0436					

This Document was updated on: 2024/09/05

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Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. **(16)**

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 it 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.
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.