

MATERIAL DECLARATION SHEET



Material Number	SRR1240 & PM124SH Series Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2020/10/29			
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	DR/RI CORE	DL5	1.425	Iron oxide (Fe ₂ O ₃)	1309-37-1	52.0	31.530	60.64
				Zinc oxide (ZnO)	1314-13-2	15.0	9.096	
				Cupric oxide(CuO)	1317-38-0	17.0	10.309	
				Nickel oxide (NiO)	1313-99-1	16.0	9.702	
2	WIRE	2-SFBW	0.537	Copper(Cu)	7440-50-8	95.0	21.709	22.86
				Polyester Resin	109-16-0	5.0	1.143	
3	Base	LCP-E4008	0.200	Aromatic polyester resin	60088-52-0	65.0	5.532	8.51
				Glass fiber	65997-17-3	34.0	2.894	
				Carbon Black	1333-86-4	1.0	0.085	
		C5191	0.060	Copper (Cu)	7440-50-8	93.6	2.390	2.55
				Tin (Sn)	7440-31-5	6.2	0.158	
				Phosphorus(P)	7723-14-0	0.2	0.005	
		Plating	0.006	Tin (Sn)	7440-31-5	80.0	0.204	0.26
				Nickel (Ni)	7440-02-0	20.0	0.051	
4	Adhesive	6020H-2-NH	0.025	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.638	1.06
				Dicyandiamide	461-58-5	6.5	0.069	
				Poly urethane	51852-81-4	6.5	0.069	
				Carbon Black	1333-86-4	2.5	0.027	
				Silicon dioxide	14808-60-7	24.5	0.261	

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5	Adhesive	6020H-6-QR-NH	0.084	Bisphenol A Epoxy Resin	25068-38-6	66.0	2.359	3.57
				Dicyandiamide	461-58-5	6.0	0.214	
				Carbon Black	1333-86-4	5.0	0.179	
				Aluminum Hydroxide	21645-51-2	23.0	0.822	
6	Tape	386UL	0.001	Calendered Aramid Paper e-metaphenylene-diamine)	25765-47-3	33.0	0.014	0.04
				Acrylic adhesiv	-	58.0	0.025	
				Antimony trioxide	1309-64-4	4.0	0.002	
				Flame retardant	-	5.0	0.002	
7	Solder	100H	0.012	Tin (Sn)	7440-31-5	100.0	0.511	0.51
		Total weight	2.35					

This Document was updated on: 2020/10/29

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"

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- 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.
 - 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.