


# MATERIAL DECLARATION SHEET



Material Number	SRF1260 SERIES(331~102)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2020/11/03			
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 Core	Ferrite	1.022	Iron oxide (Fe2O3)	1309-37-1	70.0	24.240	34.65
				Manganese Oxide(Mn3O4)	1317-35-7	22.0	7.620	
				Zinc oxide (ZnO)	1314-13-2	8.0	2.770	
2	RI Core	Ferrite	0.955	Iron oxide (Fe2O3)	1309-37-1	65.0	21.040	32.37
				Nickel oxide (NiO)	1313-99-1	12.5	4.050	
				Zinc oxide (ZnO)	1314-13-2	18.0	5.830	
				Cupric oxide(CuO)	1317-38-0	4.5	1.460	
3	Base	LCP	0.295	Aromatic polyester resin	60088-52-0	65.0	6.500	10.00
				Glass fiber	65997-17-3	34.0	3.400	
				Carbon Black	1333-86-4	1.0	0.100	
	Copper	0.200	Copper (Cu)	7440-50-8	93.6	6.343	6.78	
			Tin (Sn)	7440-31-5	6.2	0.420		
			Phosphorus(P)	7723-14-0	0.2	0.010		
Plating	0.020	Tin (Sn)	7440-31-5	80.0	0.540	0.68		
		Nickel (Ni)	7440-02-0	20.0	0.140			
4	WIRE	Copper	0.275	Copper(Cu)	7440-50-8	95.0	8.860	9.32
				Polyurethane resin	9009-54-5	5.0	0.470	
5	Adhesive	Adhesive	0.047	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.960	1.59
				Dicyandiamide	461-58-5	6.5	0.100	
				Poly urethane	51852-81-4	6.5	0.100	

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				Carbon Black	1333-86-4	2.5	0.040	
				Silicon dioxide	14808-60-7	24.5	0.390	
6	Adhesive	Adhesive	0.116	Bisphenol A Epoxy Resin	25068-38-6	61.0	2.400	3.93
				alkyl glycidyl ether	68609-97-2	5.0	0.200	
				Dicyandiamide	461-58-5	6.0	0.240	
				Carbon Black	1333-86-4	5.0	0.200	
				Aluminum hydroxide	21645-51-2	23.0	0.900	
7	Tape	Tape	0.01	Calendered Aramid Paper e-metaphenylene-diamine)	25765-47-3	33.0	0.110	0.34
				Acrylic adhesive	-	58.0	0.200	
				Antimony trioxide	1309-64-4	4.0	0.010	
				Flame retardant	-	5.0	0.017	
8	Solder	Tin	0.01	Tin (Sn)	7440-31-5	100.0	0.340	0.34
		Total weight	2.95					

**This Document was updated on: 2020/11/03**

## 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.