


# MATERIAL DECLARATION SHEET



Material Number	SRR1206 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2021/04/29			
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	Ferrite Core	1.91	Iron oxide (Fe2O3)	1309-37-1	52.0	29.2115	56.19
				Zinc oxide (ZnO)	1314-13-2	15.0	8.426	
				Cupric oxide(CuO)	1317-38-0	17.0	9.55	
				Nickel oxide (NiO)	1313-99-1	16.0	8.988	
2	WIRE	Copper	0.59	Copper(Cu)	7440-50-8	95.0	16.485	17.35
				Modified Polyester Resin	-	5.0	0.868	
3	Base	LCP	0.349	Aromatic polyester resin	60088-52-0	70.0	7.185	10.26
				Glass fiber	65997-17-3	30.0	3.079	
		Copper	0.21	Copper (Cu)	7440-50-8	66.3	4.095	6.18
				Zinc(Zn)	7440-66-6	33.7	2.082	
		Plating	0.02	Tin (Sn)	7440-31-5	75.0	0.442	0.59
				Nickel (Ni)	7440-02-0	25.0	0.147	
4	Adhesive	Adhesive	0.024	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.424	0.71
				Dicyandiamide	461-58-5	6.5	0.046	
				Poly urethane	51852-81-4	6.5	0.046	
				Carbon black	1333-86-4	2.5	0.018	
				Silicon dioxide	14808-60-7	24.5	0.173	

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5	Adhesive	Adhesive	0.23	Bisphenol A Epoxy Resin	25068-38-6	61.0	4.126	6.76
				alkyl glycidyl ether	68609-97-2	5.0	0.338	
				Dicyandiamide	461-58-5	6.0	0.406	
				Carbon black	1333-86-4	5.0	0.338	
				Aluminum hydroxide	21645-51-2	23.0	1.556	
6	Tape	Tape	0.045	Calendered Aramid Paper e-metaphenylene-diamine)	25765-47-3	33.0	0.4368	1.32
				Acrylic adhesive	-	58.0	0.7676	
				Antimony trioxide	1309-64-4	4.0	0.0529	
				Flame retardant	-	5.0	0.0662	
7	Solder	Tin	0.01	Tin (Sn)	7440-31-5	100.0	0.294	0.29
8	Solder wire	Tin	0.012	Tin (Sn)	7440-31-5	97.0	0.342	0.35
				Copper (Cu)	7440-50-8	3.0	0.011	
Total weight			<b>3.40</b>					

This Document was updated on: **2021/04/29**

## 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).

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- 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.
- 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.