


# MATERIAL DECLARATION



Material Number	SRP1770TA Series			Place picture here 
Product Line	Power Inductor			
Compliance Date	2024/05/21			
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	Carbonyl body	Carbonyl Powder	8.625	Iron	7439-89-6	98.192	73.644	75.00
				Carbon	7440-44-0	0.904	0.678	
				Nitrogen	7727-37-9	0.904	0.678	
2	Copper/ Coating	Copper Wire	1.725	Copper	7440-50-8	100.000	15.000	16.00
		Copper Colored Coating On The Magnet Wire	0.115	Polyamideimide Resin	63428-84-2	100.000	1.000	
3	Terminal-Clip	Copper	0.67735	Copper	7440-50-8	100.000	5.890	6.40
		Nickel plating	0.01495	Nickel	7440-02-0	100.000	0.130	
		Lead Free Solder	0.0437	Tin	7440-31-5	100.000	0.380	
4	Body-Coating	PL-GREY	0.2875	Acrylic acid resin	9003-01-4	55.555	1.389	2.50
				Carbon Black	1333-86-4	27.778	0.694	
				Titanium dioxide	1317-80-2	16.667	0.417	
5	Marking	Hitachi IJ Printer INK	0.0115	ChromeIII-Complex Dye	117527-94-3	100.000	0.100	0.10
Total weight			<b>11.5</b>					

**This Document was updated on: 2024/05/21**

## 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 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.