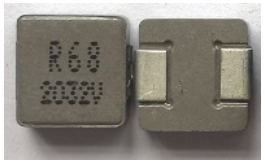
MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRP1038AA-Series Lead frame type		
Product Line	Power Inductor		
Compliance Date	2021/01/22		
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	Alloy Body	Alloy Powder	1.76	Iron	7439-89-6	93.800	75.040	80.00
				Silicon	7440-21-3	4.200	3.360	
				Chromium	7440-47-3	2.000	1.600	
2	Copper/ Coating	Copper Wire	0.33	Copper	7440-50-8	100.000	15.000	16.00
		Copper Colored Coating On The Magnet Wire	0.022	Polyamideimide Resin	63428-84-2	100.000	1.000	
3	Terminal-Clip	Copper	0.0836	Copper	7440-50-8	92.000	3.496	3.80
		Ni Coating		Nickel	7440-02-0	2.000	0.076	
		Lead Free Solder		Tin	7440-31-5	6.000	0.228	
4	Marking	Hitachi IJ Printer INK	0.0044	ChromeⅢ-Complex Dye	117527-94-3	100.000	0.200	0.20
		Total weight	2.2					

This Document was updated on: 2021/01/22

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.