


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	SRP1770TA Series			
Product Line	Power Inductor			
Compliance Date	2023/12/06			
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_AIW	0.115	Polyamideimide Resin	63428-84-2	100.000	1.000	
3	Terminal-Clip	Copper_C1100	0.736	Copper	7440-50-8	100.000	5.888	6.40
		Nickel plating		Nickel	7440-02-0	100.000	0.128	
		Lead Free Solder		Tin	7440-31-5	100.000	0.384	
4	Body-Coating	PL-GREY_PL-488	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			11.5					

**This Document was updated on: 2023/12/06**

## Important remarks:

- It is the responsibility of the user to verify they are accessing the latest version.