


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	SRP5020TA-Series			
Product Line	Power Inductor			
Compliance Date	2021/01/08			
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	0.225	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	0.036	Copper	7440-50-8	100.000	12.000	15.00
		Copper Colored Coating On The Magnet Wire	0.009	Polyamideimide Resin	63428-84-2	100.000	3.000	
3	Terminal-Clip	Copper	0.021	Copper	7440-50-8	92.000	6.440	7.00
		Nickel plating		Nickel	7440-02-0	2.000	0.140	
		Lead Free Solder		Tin	7440-31-5	6.000	0.420	
4	Body-Coating	Environmental epoxy Resin(grey)	0.006	Epoxy resin	24969-06-0	73.000	1.460	2.00
				Titanium dioxide	13463-67-7	1.000	0.020	
				Calcium carbonate	471-34-1	15.000	0.300	
				Polyamide	63428-84-2	11.000	0.220	
5	Marking	Hitachi IJ Printer INK	0.003	Chrome III-Complex Dye	117527-94-3	100.000	1.000	1.00
Total weight			<b>0.30</b>					

**This Document was updated on: 2021/01/08**

**Important remarks:**

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