


# MATERIAL DECLARATION SHEET

# BOURNS®

Material Number	SRP5020TA SERIES			
Product Line	Power Inductor			
Compliance Date	2015/01/19			
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	0.2325	Iron	7439-89-6	97.800	73.350	75.00
				Carbon	7440-44-0	0.900	0.675	
				Nitrogen	7727-37-9	0.900	0.675	
				Oxygen	7782-44-7	0.400	0.300	
2	Copper/ Coating	Copper Wire	0.0372	Copper	7440-50-8	100.000	12.000	15.00
		Copper Colored Coating On The Magnet Wire	0.0093	Polyamideimide Resin	63428-84-2	100.000	3.000	
3	Terminal-Clip	Copper	0.0217	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)	0.0062	Epoxy resin	24969-06-0	73.090	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	INK	0.0031	Carbon black	1333-86-4	100.000	1.000	1.00
Total weight			<b>0.31</b>					

**This Document was updated on: 2017/08/04**