


# MATERIAL DECLARATION SHEET

**BOURNS®**

Material Number	SRP3012TA-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	0.045	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	0.009	Copper	7440-50-8	100.000	15.000	16.00
		Copper Colored Coating On The Magnet Wire	0.0006	Polyamideimide Resin	63428-84-2	100.000	1.000	
3	Terminal-Clip	Copper	0.00384	Copper	7440-50-8	92.000	5.888	6.40
		Nickel plating		Nickel	7440-02-0	2.000	0.128	
		Lead Free Solder		Tin	7440-31-5	6.000	0.384	
4	Body-Coating	PL grey_PL-488	0.0015	Acrylic polymer resin	9003-01-4	66.667	1.667	2.50
				Titanium dioxide	1317-80-2	27.778	0.694	
				Aluminum	7429-90-5	5.555	0.139	
5	Marking	Hitachi IJ Printer INK	0.00006	Chrome III-Complex Dye	117527-94-3	100.000	0.100	0.10
Total weight			<b>0.06</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.