

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRP4020TA-220M			
Product Line	Power Inductor			
Compliance Date	2025/12/22			
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	Carbonyl body	Carbonyl Powder	0.13125	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	0.02625	Copper	7440-50-8	100.000	15.000	16.00
		Copper Colored Coating On The Magnet Wire	0.00175	Polyamideimide Resin	37317-16-1	100.000	1.000	
3	Terminal-Clip	Coppe	0.0103075	Copper	7440-50-8	100.000	5.890	6.40
		Nickel plating	0.0002275	Nickel	7440-02-0	100.000	0.130	
		Lead Free Solder	0.000665	Tin	7440-31-5	100.000	0.380	
4	Body-Coating	PL-GREY	0.004375	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	0.000175	ChromeIII-Complex Dye	117527-94-3	100.000	0.100	0.10
Total weight			0.175					

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