


MATERIAL DECLARATION



Material Number	SRN5020 Series			
Product Line	Semi-Shielded SMD Power Inductor			
Compliance Date	2021 / 01 / 26			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ferrite Core	Core	114.38	Iron oxide	1309-37-1	55.00	36.91	64.403
				Nickel oxide	1313-99-1	11.00	7.38	
				Zinc oxide	1314-13-2	25.00	16.77	
				Cupric oxide	1317-38-0	5.00	3.35	
		Plating layers	2.385	Silver	7440-22-4	50.00	0.67	2.686
				Non-Lead Glass	65997-18-4	50.00	0.67	
				Tin	7440-31-5	100	0.67	
			1.1925	Nickel	7440-02-0	100	0.67	
2	Wire	Copper	40.85	Copper	7440-50-8	96.00	22.08	23.001
				Polyurethane Resin	9005-54-5	4.00	0.921	
3	Solder	Tin	9.65	Tin	7440-31-5	96.50	5.241	5.434
				Silver	7440-22-4	3.00	0.16	
				Copper	7440-50-8	0.50	0.03	
4	Glue	Ferrite Glue	7.95	Iron oxide	1309-37-1	40.00	1.791	4.476
				Manganese oxide	1344-43-0	5.40	0.242	
				Zinc oxide	1314-13-2	4.60	0.206	
				Dimethyl Siloxane, Dimethylvinylsiloxylterminated	68083-19-2	30.00	1.344	
				Quartz	14808-60-7	20.00	0.895	
		Total weight	177.6					

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BOURNS®

This Document was updated on: 2021/01/26

Important remarks:

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