


# MATERIAL DECLARATION SHEET



Material Number	SRN5040 Series			
Product Line	Semi-Shielded SMD Power Inductor			
Compliance Date	2020 / 12 / 09			
RoHS Compliant	YES	MSL	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	Ferrite Core	Ferrite	0.212	Iron oxide (Fe2O3)	1309-37-1	65.00	44.4517	68.387
				Nickel oxide (NiO)	1313-99-1	11.20	7.6594	
				Zinc oxide (ZnO)	1314-13-2	17.50	11.9678	
				Cupric oxide(CuO)	1317-38-0	4.30	2.9406	
		Plating		Silver(Ag)	7440-22-4	1.10	0.7523	
				Nickel (Ni)	7440-02-0	0.50	0.3419	
				Tin (Sn)	7440-31-5	0.40	0.2735	
2	Wire	Copper	0.088	Copper (Cu)	7440-50-8	95.00	26.9677	28.387
				Polyurethane Resin	9005-54-5	5.00	1.4194	
3	Solder	Tin	0.0010	Tin (Sn)	7440-31-5	96.50	0.3113	0.323
				Silver(Ag)	7440-22-4	3.00	0.0097	
				Copper(Cu)	7440-50-8	0.50	0.0016	
4	Glue	Ferrite Glue	0.009	Iron oxide (Fe2O3)	1309-37-1	35.00	1.0161	2.903
				Manganese oxide(MnO)	1344-43-0	7.50	0.2177	
				Zinc oxide (ZnO)	1314-13-2	2.50	0.0726	
				Quartz	14808-60-7	35.00	1.0161	
				Dimethyl Siloxane, Dimethylvinylsiloxyterminated	68083-19-2	20.00	0.5806	
Total weight			0.31					

This Document was updated on: 2020/12/09

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**Important remarks:**

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