


MATERIAL DECLARATION SHEET



Material Number	SRN4018 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	0.030	Iron oxide (Fe2O3)	1309-37-1	62.00	16.46	26.55
				Cupric Oxide (CuO)	1317-38-0	10.00	2.65	
				Zinc oxide (ZnO)	1314-13-2	20.00	5.31	
				Nickel oxide (NiO)	1313-99-1	8.00	2.12	
2	Terminal	Plating	0.007	Silver(Ag)	7440-22-4	65.00	4.03	6.19
				Nickel (Ni)	7440-02-0	14.00	0.87	
				Tin (Sn)	7440-31-5	21.00	1.30	
3	Wire	Copper	0.013	Copper (Cu)	7440-50-8	96.00	11.04	11.50
				Polyurethane Resin	9005-54-5	4.00	0.46	
4	Solder	Tin	0.040	Tin (Sn)	7440-31-5	96.50	34.16	35.40
				Silver(Ag)	7440-22-4	3.00	1.06	
				Copper(Cu)	7440-50-8	0.50	0.18	
5	Adhesive	Resin	0.023	Iron oxide (Fe2O3)	1309-37-1	35.00	7.12	20.35
				Manganese oxide(MnO)	1344-43-0	7.50	1.53	
				Zinc oxide (ZnO)	1314-13-2	2.50	0.51	
				Quartz	14808-60-7	35.00	7.12	
			Total weight	0.113				

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.