


MATERIAL DECLARATION SHEET



Material Number	SRN6045 series			
Product Line	Semi-shielded SMD Power Inductor			
Compliance Date	2018/12/19			
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	Core	NH50	0.33	Iron oxide (Fe ₂ O ₃)	1309-37-1	58.0	34.179	58.93
				Nickel oxide (NiO)	1313-99-1	15.0	8.839	
				Zinc oxide (ZnO)	1314-13-2	17.0	10.018	
				Cupric oxide(CuO)	1317-38-0	10.0	5.893	
2	Terminal	Plating	0.05	Silver(Ag)	7440-22-4	46.0	4.107	8.93
				Nickel (Ni)	7440-02-0	18.0	1.607	
				Tin (Sn)	7440-31-5	36.0	3.214	
3	Wire	P180-G2	0.12	Copper(Cu)	7440-50-8	95.0	20.357	21.43
				Polyurethane resin	9009-54-5	5.0	1.071	
4	Adhesive	Magnetic conductive adhesive	0.04	Iron oxide (Fe ₂ O ₃)	1309-37-1	40.00	2.857	7.14
				Manganese oxide(MnO)	1344-43-0	15	1.071	
				Zinc oxide (ZnO)	1314-13-2	5.00	0.357	
				Quartz	14808-60-7	25	1.786	
				Dimethylvinylated and trimethylated silica	68988-89-6	15.00	1.071	
5	Solder bar	0505H	0.02	Tin (Sn)	7440-31-5	99.0	3.536	3.57
				Silver(Ag)	7440-22-4	0.5	0.018	
				Copper(Cu)	7440-50-8	0.5	0.018	
		Total weight	0.56					

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