


MATERIAL DECLARATION SHEET



Material Number	SRN6045HA Series			
Product Line	Semi-shielded SMD Power Inductor			
Compliance Date	2020/05/18			
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	DR Core	BN251B	0.3992	Iron oxide	1309-37-1	65.00	43.248	66.53
				Nickel oxide	1313-99-1	13.50	8.982	
				Zinc oxide	1314-13-2	16.50	10.978	
				Cupric Oxide	1317-38-0	5.00	3.327	
2	Terminal	Plating	0.0008	Silver(Ag)	7440-22-4	50.00	0.067	0.13
				Nickel (Ni)	7440-02-0	25.00	0.033	
				Tin (Sn)	7440-31-5	25.00	0.033	
3	Wire	P180-G2	0.145	Copper	7440-50-8	95.00	22.958	24.17
				Polyurethane resin	9009-54-5	5.00	1.208	
4	Adhesive	Magnetic conductive adhesive	0.045	Iron oxide	1309-37-1	40.00	3.000	7.5
				Manganese oxide	1344-43-0	15.00	1.125	
				Zinc oxide	1314-13-2	5.00	0.375	
				Quartz	14808-60-7	25.00	1.875	
				Dimethylvinylated and trimethylated silica	68988-89-6	15.00	1.125	

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5	Solder bar	0505H	0.01	Tin	7440-31-5	99.00	1.650	1.67
				Silver	7440-22-4	0.50	0.008	
				Copper	7440-50-8	0.50	0.008	
				Total weight				0.60

This Document was updated on: 2020/05/18

Important remarks:

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