

MATERIAL DECLARATION



Material Number	5800 Series		
Product Line	Power Inductor		
Compliance Date	2020/09/18		
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	Core	DL5	0.696	Iron oxide (Fe2O3)	1309-37-1	52.0	25.84	49.72
				Zinc oxide (ZnO)	1314-13-2	15.0	7.46	
				Cupric oxide(CuO)	1317-38-0	17.0	8.45	
				Nickel oxide (NiO)	1313-99-1	16.0	7.95	
2	Lead Wire	CP WIRE	0.174	Iron (Fe)	7439-89-6	76.0	9.45	12.43
				Copper (Cu)	7740-50-8	20.0	2.49	
				Tin (Sn)	7440-31-5	3.7	0.46	
				Nickel (Ni)	7740-02-0	0.3	0.04	
3	WIRE	2-SFBW	0.350	Copper(Cu)	7440-50-8	95.0	23.75	25.00
				Polyester Resin	-	5.0	1.25	
4	Adhesive	G500HF	0.05	Epoxy Resin	25068-38-6	60.0	2.14	3.57
				TALC	14807-96-6	24.0	0.86	
				1,6-bis(2,3-epoxypropoxy)hexane	16096-31-4	10.0	0.36	
				Additive organic silicon	14808-60-7	5.0	0.18	
				Titanium dioxide	13463-67-7	1.0	0.04	
5	Solder bar	0505H	0.030	Tin (Sn)	7440-31-5	99.0	2.12	2.14
				Silver(Ag)	7440-22-4	0.5	0.01	
				Copper(Cu)	7440-50-8	0.5	0.01	

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6	Tube	NHR2	0.100	Polyethylene	9002-88-4	55.0	3.93	7.14
				Magnesium Hydroxide	1309-42-8	38.0	2.71	
				Carbon black	1333-86-4	4.0	0.29	
				Phosphorous	7723-14-0	3.0	0.21	
				Total weight	1.4			

This Document was updated on: 2020/09/18

Important remarks:

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