


MATERIAL DECLARATION SHEET



Material Number	5900 Series			
Product Line	Power Inductor			
Compliance Date	2024/1/26			
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	Ferrite	2.8	Iron oxide (Fe2O3)	1309-37-1	52.0%	21.101%	40.58
				Zinc oxide (ZnO)	1314-13-2	15.0%	6.087%	
				Cupric oxide(CuO)	1317-38-0	17.0%	6.899%	
				Nickel oxide (NiO)	1313-99-1	16.0%	6.493%	
2	Lead Wire	CP WIRE	2.000	Copper (Cu)	7440-50-8	18.0%	5.217%	28.99
				Tin (Sn)	7440-31-5	7.9%	2.290%	
				Iron	7439-89-6	74.1%	21.478%	
3	WIRE	Copper	1.40	Copper(Cu)	7440-50-8	100.0%	20.239%	21.30
		Resin	0.07	Polyester Resin	9009-54-5	100.0%	1.065%	
4	Adhesive	Epoxy	0.1	Epoxy Resin	25068-38-6	66.6%	0.965%	1.45
				TALC	14807-96-6	26.7%	0.387%	
				Additive organic silicon	14808-60-7	5.6%	0.081%	
				Titanium dioxide	13463-67-7	1.1%	0.016%	
5	Solder bar	Tin	0.060	Tin (Sn)	7440-31-5	99.0%	0.861%	0.87
				Silver(Ag)	7440-22-4	0.5%	0.004%	
				Copper(Cu)	7440-50-8	0.5%	0.004%	
6	Tube	Tube	0.450	Polyethylene	9002-88-4	55.0%	3.587%	6.52
				Magnesium Hydroxide	1309-42-8	38.0%	2.478%	

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				Carbon black	1333-86-4	4.0%	0.261%	
				Phosphorous	7723-14-0	3.0%	0.196%	
7	Ink	Ink	0.020	Cyclic isoprene modified phenol	68441-13-4	18.2%	0.053%	0.29
				Titanium dioxide	13463-67-7	76.4%	0.221%	
				Silica	112945-52-5	5.4%	0.016%	
		Total weight	6.9					

This Document was updated on: 2024/1/26

Important remarks:

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