

MATERIAL DECLARATION



Material Number	6000 series (123~473)			
Product Line	Radial Inductor			
Compliance Date	2023/4/6			
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	Ni-Zn	1.261	Iron oxide (Fe ₂ O ₃)	1309-37-1	52.0%	34.15%	65.68
				Zinc oxide (ZnO)	1314-13-2	15.0%	9.85%	
				Cupric oxide(CuO)	1317-38-0	17.0%	11.17%	
				Nickel oxide (NiO)	1313-99-1	16.0%	10.51%	
2	Lead Wire	CP WIRE	0.153	Iron (Fe)	7439-89-6	76.0%	6.06%	7.96
				Copper (Cu)	7740-50-8	20.0%	1.59%	
				Tin (Sn)	7440-31-5	3.7%	0.29%	
				Nickel (Ni)	7740-02-0	0.3%	0.02%	
3	WIRE	Copper wire	0.450	Copper(Cu)	7440-50-8	95.0%	22.27%	23.44
				Modified Polyester Resin	9009-54-5	5.0%	1.17%	
4	Adhesive	Epoxy1	0.008	Epoxy Resin	25085-99-8	56.0%	0.24%	0.42
				Epoxy Diluent	26761-45-5	7.0%	0.03%	
				Calcium carbonate	471-34-1	20.0%	0.08%	
				Aluminium hydroxide	21645-51-2	15.0%	0.06%	
				Carbon Black	1333-86-4	2.0%	0.01%	
5	Adhesive	Epoxy 2	0.008	Bisphenol A Epoxy Resin	25068-38-6	64.6%	0.27%	0.42
				Epoxy thinning agent	68609-97-2	5.40%	0.02%	
				Carbon Black	1333-86-4	5.40%	0.02%	
				Aluminum hydroxide	21645-51-2	24.6%	0.10%	
6	Solder	tin	0.025	Tin (Sn)	7440-31-5	99.0%	1.29%	1.3

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				Silver(Ag)	7440-22-4	0.5%	0.01%	
				Copper(Cu)	7440-50-8	0.5%	0.01%	
7	Tube	Tube	0.013	Polyethylene	9002-88-4	55.0%	0.37%	0.68
				Magnesium Hydroxide	1309-42-8	38.0%	0.26%	
				Carbon black	1333-86-4	4.0%	0.03%	
				Phosphorous	7723-14-0	3.0%	0.02%	
8	Ink	white ink	0.002	Cyclic isoprene modified phenol	68441-13-4	15.2	0.015%	0.1
				Phenolic modified rosin	68152-70-5	15.2	0.015%	
				Titanium dioxide	13463-67-7	63.6	0.066%	
				Silica	112945-52-5	4.6	0.003%	
				Co Naphthenate	61789-51-3	1.5	0.001%	
		Total weight	1.92					

This Document was updated on: 2023/4/6

Important remarks:

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