


MATERIAL DECLARATION SHEET



Material Number	RL875S SERIES			
Product Line	RADIAL INDUCTOR			
Compliance Date	2023/6/30			
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 Core	0.705	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0%	33.88%	54.65
				Zinc oxide (ZnO)	1314-13-2	20.0%	10.93%	
				Cupric oxide(CuO)	1317-38-0	10.0%	5.47%	
				Nickel oxide (NiO)	1313-99-1	8.0%	4.37%	
2	LEAD	LEAD WIRE	0.08	Iron (Fe)	7439-89-6	76.0%	4.71%	6.2
				Copper (Cu)	7440-50-8	20.0%	1.24%	
				Tin (Sn)	7440-31-5	3.7%	0.23%	
				Nickel (Ni)	7440-02-0	0.3%	0.02%	
3	WIRE	Copper wire	0.3	Copper(Cu)	7440-50-8	100.0%	23.26%	23.26
	GAP	LCP	0.1	Aromatic polyester resin	60088-52-0	70.0%	5.42%	7.75
				Glass fiber	65997-17-3	30.0%	2.33%	
4	Adhesive	Epoxy 1	0.05	Epoxy Resin	25068-38-6	63.0%	2.44%	3.88
				Calcium carbonate	471-34-1	20.0%	0.78%	
				Aluminium hydroxide	21645-51-2	15.0%	0.58%	
				Carbon Black	1333-86-4	2.0%	0.08%	
5	Adhesive	Epoxy 2	0.02	Calcium Carbonate	1317-65-3	100.0%	1.55%	1.55
5	SOLDER	Lead Free-solder	0.025	Tin (Sn)	7440-31-5	100.0%	1.94%	1.94
6	Ink	Ink	0.01	Cyclic isoprene modified phenol	68441-13-4	27.0%	0.21%	0.77
				Titanium dioxide	13463-67-7	56.0%	0.43%	
				Silica	112945-52-5	17.0%	0.13%	
		Total weight	1.29					

This Document was updated on: 2023/6/30