


# MATERIAL DECLARATION SHEET



Material Number	SRR0735HA Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2023/12/5			
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 + RI CORE	Ni-Zn	0.38	Iron oxide (Fe2O3)	1309-37-1	62.0%	37.40%	60.32%
				Cupric Oxide (CuO)	1317-38-0	10.0%	6.02%	
				Zinc oxide (ZnO)	1314-13-2	20.0%	12.06%	
				Nickel oxide (NiO)	1313-99-1	8.0%	4.83%	
2	WIRE	Copper wire	0.0855	Copper(Cu)	7440-50-8	100.0%	13.57%	14.29%
		Coating	0.0045	Polyurethane	9009-54-5	100.0%	0.71%	
3	Base	LCP	0.110	Aromatic polyester resin	60088-52-0	61.0%	10.65%	17.46%
				Glass fiber	65997-17-3	37.0%	6.46%	
				Carbon Black	1333-86-4	2.0%	0.35%	
		COPPER	0.030	Copper (Cu)	7440-50-8	93.6%	4.46%	4.76%
				Tin (Sn)	7440-31-5	6.2%	0.30%	
				Phosphorus(P)	7723-14-0	0.2%	0.01%	
Plating	0.005	Tin (Sn)	7440-31-5	100.0%	0.63%	0.79%		
		Nickel (Ni)	7440-02-0	100.0%	0.16%			
4	Adhesive	EPOXY	0.005	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	0.52%	0.79%
				Ground calcium carbonate	1317-65-3	35.0%	0.28%	
5	Solder bar	Lead-free solder	0.010	Tin (Sn)	7440-31-5	99.0%	1.57%	1.59%
				Silver(Ag)	7440-22-4	0.5%	0.008%	

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				Copper(Cu)	7440-50-8	0.5%	0.008%	
		Total weight	0.63					

**This Document was updated on: 2023/12/5**

**Important remarks:**

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