


MATERIAL DECLARATION SHEET



Material Number	SRR6838A Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/8/14			
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	0.4692	Iron oxide (Fe ₂ O ₃)	1309-37-1	65.00%	47.73%	73.29
				Nickel oxide (NiO)	1313-99-1	12.60%	9.22%	
				Zinc oxide (ZnO)	1314-13-2	17.80%	13.00%	
				Cupric Oxide (CuO)	1317-38-0	4.60%	3.34%	
		Plating-Ag	0.0004	Silver(Ag)	7440-22-4	100.00%	0.07%	0.07
		Plating-Ni	0.0002	Nickel (Ni)	7440-02-0	100.00%	0.04%	0.04
		Plating-Sn	0.0002	Tin (Sn)	7440-31-5	100.00%	0.04%	0.04
2	WIRE	Copper (C11000)	0.085	Copper(Cu)	7440-50-8	99.95%	13.27%	13.28
				Misc.,not to declare	\	0.05%	0.01%	
		Resin	0.005	Polyurethane	9009-54-5	100.00%	0.78%	0.78
3	Adhesive 1	EPOXY	0.035	Reaction mixture of epichlorohydrin and bisphenol A	25068-38-6	65.0%	3.55%	5.47
				Calcium Carbonate	1317-65-3	35.0%	1.91%	
4	Adhesive 2	EPOXY	0.035	Bisphenol A Epoxy Resin	25068-38-6	64.9%	3.55%	5.47
				Epoxy thinning agent	68609-97-2	5.3%	0.29%	
				carbon black	1333-86-4	5.3%	0.29%	
				Aluminium hydroxide	21645-51-2	24.5%	1.34%	
5	Solder bar	Lead-free solder	0.010	Tin (Sn)	7440-31-5	96.50%	1.51%	1.56
				Silver(Ag)	7440-22-4	3.00%	0.047%	

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				Copper(Cu)	7440-50-8	0.50%	0.008%	
		Total weight	0.64					

This Document was updated on: 2024/8/14

Important remarks:

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