


MATERIAL DECLARATION SHEET



Material Number	SRR4818A SERIES			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2025/10/28			
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	0.1457	Iron oxide (Fe ₂ O ₃)	1309-37-1	65.00%	49.17	75.49
				Nickel oxide (NiO)	1313-99-1	12.60%	9.49	
				Zinc oxide (ZnO)	1314-13-2	17.80%	13.39	
				Cupric Oxide (CuO)	1317-38-0	4.6%	3.44	
2	Terminal	plating-Au	0.00014	Silver(Ag)	7440-22-4	100.0%	0.074	0.074
		plating-Ni	0.00008	Nickel (Ni)	7440-02-0	100.0%	0.04	0.04
		plating-Sn	0.00008	Tin (Sn)	7440-31-5	100.0%	0.04	0.04
3	WIRE	Copper (C11000)	0.0133	Copper(Cu)	7440-50-8	99.95%	6.89	6.894
		COATING	0.0007	Misc. ,not to declare	\	0.05%	0.004	
				Polyurethane	9009-54-5	100.00%	0.36	
4	Adhesive	Epoxy 1	0.009	Bisphenol A Epoxy Resin	25068-38-6	64.9%	3.0	4.66
				Epoxy thinning agent	68609-97-2	5.3%	0.33	
				carbon black	1333-86-4	5.3%	0.12	
				Aluminium hydroxide	21645-51-2	24.5%	1.21	
5	Adhesive	Epoxy 2	0.004	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65%	1.35	2.08
				CALCIUM CARBONATE	1317-65-3	35%	0.73	
6	Solder	Tin	0.02	Tin (Sn)	7440-31-5	96.50%	10.0	10.362
				Silver(Ag)	7440-22-4	3.00%	0.31	
				Copper(Cu)	7440-50-8	0.50%	0.052	
			Total weight	0.193				

This Document was updated on: 2025/10/28

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.