


MATERIAL DECLARATION SHEET



Material Number	SRR5828A Series(681-102)			
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+IR Core	Ferrite	0.425	Iron oxide (Fe2O3)	1309-37-1	65.0%	60.80%	90.31
				Nickel oxide (NiO)	1313-99-1	13.5%	12.63%	
				Zinc oxide (ZnO)	1314-13-2	16.5%	15.34%	
				Cupric Oxide (CuO)	1317-38-0	5.0%	4.58%	
		Plating	0.015	Silver(Ag)	7440-22-4	100.0%	0.09%	3.23
				Nickel (Ni)	7440-02-0	100.0%	0.05%	
Tin (Sn)	7440-31-5			100.0%	0.05%			
2	WIRE	Copper Wire	0.00665	Copper(Cu)	7440-50-8	100.0%	1.43%	1.51
		Coating	0.00035	Polyesterimide	37317-16-1	100.0%	0.08%	
3	Adhesive	Epoxy 1	0.010	Bisphenol A Epoxy Resin	25068-38-6	61.0%	1.31%	2.15
				Epoxy thinning agent	68609-97-2	5.0%	0.11%	
				carbon black	1333-86-4	11.0%	0.24%	
				Aluminium hydroxide	21645-51-2	23.0%	0.49%	
4	Adhesive	Epoxy 2	0.006	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	0.84%	1.29
				Ground calcium carbonate	1317-65-3	35.0%	0.45%	
5	Solder	Tin	0.007	Tin (Sn)	7440-31-5	96.5%	1.45%	1.51
				Silver(Ag)	7440-22-4	3.00%	0.05%	
				Copper(Cu)	7440-50-8	0.50%	0.01%	
		Total weight	0.47					

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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.