


MATERIAL DECLARATION SHEET



Material Number	SRR4828A Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2021/09/14			
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. (%)
	DR Core / RI Core	Ferrite	0.2216	Iron oxide (Fe2O3)	1309-37-1	65.10%	54.45	83.77
				Nickel oxide (NiO)	1313-99-1	12.60%	10.51	
				Zinc oxide (ZnO)	1314-13-2	17.70%	14.83	
				Cupric Oxide (CuO)	1317-38-0	4.60%	3.81	
		Plating	0.0002	Silver(Ag)	7440-22-4	100.00%	0.08	
			0.0001	Nickel (Ni)	7440-02-0	100.00%	0.04	
0.0001	Tin (Sn)		7440-31-5	100.00%	0.04			
2	WIRE	Copper	0.021	Copper(Cu)	7440-50-8	95.0	7.53	7.92
				Polyurethane resin	9009-54-5	5.0	0.40	
3	Adhesive	Adhesive	0.010	Bisphenol A Epoxy Resin	25068-38-6	61.0	2.30	3.77
				Dodecyl and tetradecyl glycidyl ethers	68609-97-2	5.0	0.19	
				Dicyandiamide	461-58-5	6.0	0.23	
				Carbon Black	1333-86-4	5.0	0.19	
				Aluminium hydroxide	21645-51-2	23.0	0.87	
4	Adhesive	Adhesive	0.005	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	60.0	1.13	1.89
				Catalyst Blend	-	4.0	0.08	
				Limestone	1317-65-3	32.0	0.60	

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				Thermoplastic copolymer	-	4.0	0.08	
6	Solder	Tin	0.007	Tin (Sn)	7440-31-5	96.50%	2.55	2.64
				Silver(Ag)	7440-22-4	3.00%	0.08	
				Copper(Cu)	7440-50-8	0.50%	0.01	
		Total weight	0.265					

This Document was updated on: 2021/09/14

Important remarks:

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