


MATERIAL DECLARATION SHEET



Material Number	SRR4818A 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. (%)
1	DR Core / RI Core	Ferrite	0.1377	Iron oxide	1309-37-1	65.00	47.20	72.47
				Nickel oxide	1313-99-1	12.55	9.12	
				Zinc oxide	1314-13-2	17.70	12.85	
				Cupric Oxide	1317-38-0	4.55	3.30	
		Terminal plating	0.0003	Silver	7440-22-4	0.10	0.07	0.16
				Nickel	7440-02-0	0.05	0.045	
2	WIRE	Copper	0.020	Copper	7440-50-8	95.0	10.00	10.53
				Polyurethane resin	9009-54-5	5.0	0.53	
3	Adhesive	Epoxy	0.015	Epoxy Resin	25068-38-6	61.0	4.82	7.90
				Alkyd glycidyl ether	68609-97-2	5.0	0.395	
				Dicyandiamide	461-58-5	6.0	0.47	
				Carbon Black	1333-86-4	5.0	0.395	
				Aluminum hydroxide	21645-51-2	23.0	1.82	
4	Adhesive	Epoxy	0.010	Epoxy resin	25068-38-6	62.5	3.29	5.26
				Limestone	1317-65-3	33.3	1.75	
				Thermoplastic copolymer	-	4.2	0.22	

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6	Solder	Tin	0.007	Tin	7440-31-5	96.50	3.56	3.68
				Silver	7440-22-4	3.00	0.11	
				Copper	7440-50-8	0.50	0.02	
		Total weight	0.190					

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.