


MATERIAL DECLARATION SHEET



Material Number	SRR5228A Series (1R2-121)			
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 Core / RI Core	Ferrite	0.199	Iron oxide (Fe2O3)	1309-37-1	65.00%	43.117%	66.33
				Nickel oxide (NiO)	1313-99-1	12.60%	8.325%	
				Zinc oxide (ZnO)	1314-13-2	17.80%	11.741%	
				Cupric Oxide (CuO)	1317-38-0	4.60%	3.018%	
		Plating		Silver(Ag)	7440-22-4	100.0%	0.066%	
				Nickel (Ni)	7440-02-0	100.0%	0.033%	
				Tin (Sn)	7440-31-5	100.0%	0.033%	
2	WIRE	Copper Wire	0.0418	Copper(Cu)	7440-50-8	100.0%	13.933%	14.67
		Coating	0.0022	Polyurethane	9009-54-5	100.0%	0.733%	
3	Adhesive 1	Epoxy	0.021	Bisphenol A Epoxy Resin	25068-38-6	64.4%	4.508%	7
				Poly urethane	51852-81-4	7.0%	0.490%	
				Carbon Black	1333-86-4	2.6%	0.182%	
				Silicon dioxide	14808-60-7	26.0%	1.820%	
4	Adhesive 2	Epoxy	0.019	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	4.117%	6.33
				Ground calcium carbonate	1317-65-3	35.0%	2.217%	
5	Solder	Tin	0.017	Tin (Sn)	7440-31-5	96.5%	5.468%	5.67
				Silver(Ag)	7440-22-4	3.00%	0.170%	
				Copper(Cu)	7440-50-8	0.50%	0.028%	

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BOURNS®

Total weight	0.3
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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.