

MATERIAL DECLARATION SHEET



xMaterial Number	SRR5028 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2021/02/22			
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	Ferrite	0.093	Iron oxide (Fe2O3)	1309-37-1	63.0	15.42	24.47
				Nickel oxide (NiO)	1313-99-1	12.0	2.94	
				Zinc oxide (ZnO)	1314-13-2	20.0	4.89	
				Cupric oxide(CuO)	1317-38-0	5.0	1.22	
2	RI Core	Ferrite	0.23	Iron oxide (Fe2O3)	1309-37-1	62.0	37.53	60.54
				Nickel oxide (NiO)	1313-99-1	11.0	6.66	
				Zinc oxide (ZnO)	1314-13-2	20.0	12.11	
				Cupric oxide (CuO)	1317-38-0	7.0	4.24	
3	Wire	Copper	0.0313	Copper (Cu)	7440-50-8	99.95	8.25	8.255
				Misc., not to declare	\	0.05	0.005	
		PUR	0.0017	Polyurethane	9009-54-5	100	0.43	0.43
4	Adhesive	Epoxy	0.015	Bisphenol A Epoxy Resin	25068-38-6	64.9	2.56	3.95
				Epoxy thinning agent	68609-97-2	5.3	0.21	
				carbon black	1333-86-4	5.3	0.21	
				Aluminium hydroxide	21645-51-2	24.5	0.97	
5	Terminal	Silver Plating	0.003	Silver (Ag)	7440-22-4	100	0.7	0.7
		Nickel Plating	0.001	Nickel (Ni)	7440-02-0	100	0.33	0.33
		Tin Plating	0.002	Tin (Sn)	7440-31-5	100	0.54	0.54
6	Solder	Tin	0.001	Tin (Sn)	7440-31-5	99.0	0.26	0.262
				Silver (Ag)	7440-22-4	0.5	0.001	
				Copper (Cu)	7440-50-8	0.5	0.001	
7	Solder	Tin	0.001	Tin (Sn)	7440-31-5	96.50	0.254	0.263

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8	Ink	Black	0.001	Silver (Ag)	7440-22-4	3.00	0.008	0.26
				Copper (Cu)	7440-50-8	0.50	0.001	
				Solvent Black 29	61901-87-9	25.5	0.07	
				Polyacrylic acid	9003-01-4	62.0	0.16	
				Silicone oil	63148-62-9	12.5	0.03	
		Total weight	0.38					

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Important remarks:

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