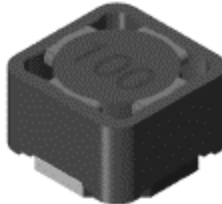


MATERIAL DECLARATION SHEET



Material Number	SRR1280A series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/10/16			
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 + RI Core	Ferrite	1.67	Iron oxide (Fe ₂ O ₃)	1309-37-1	52.0%	21.18	40.73
				Zinc oxide (ZnO)	1314-13-2	15.0%	6.11	
				Cupric oxide(CuO)	1317-38-0	17.0%	6.924	
				Nickel oxide (NiO)	1313-99-1	16.0%	6.517	
2	Wire	Copper	1.33	Copper(Cu)	7440-50-8	99.95%	32.423	32.44
				Misc. ,not to declare	\	0.05%	0.016	
		Resin	0.07	Polyurethane	9009-54-5	100.00%	1.707	1.7
3	Base	Resin	0.51	Aromatic polyester resin	60088-52-0	60.00%	7.463	12.44
				Glass fiber	65997-17-3	38.0%	4.727	
				Carbon Black	1333-86-4	2.0%	0.249	
		Copper	0.15	Copper (Cu)	7440-50-8	93.6%	3.424	3.66
				Tin (Sn)	7440-31-5	6.2%	0.227	
				Phosphorus(P)	7723-14-0	0.2%	0.007	
		Plating- Sn	0.026	Tin (Sn)	7440-31-5	100.0%	0.634	0.63
Plating- Ni	0.006	Nickel (Ni)	7440-02-0	100.0%	0.146	0.15		

MATERIAL DECLARATION SHEET



4	Adhesive	Epoxy	0.03	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	0.476	0.73
				CALCIUM CARBONATE	1317-65-3	35.0%	0.256	
5	Adhesive	Epoxy	0.23	Epoxy Resins	61788-97-4	84.2%	4.723	5.61
				Silicon	7440-21-3	15.8%	0.886	
6	Solder	Tin	0.022	Tin (Sn)	7440-31-5	100.0%	0.54	0.54
7	Tape	Tape	0.056	1,3-Benzenedicarbonyl dichloride	25765-47-3	94.0%	1.284	1.37
				Ammonium polyphosphate	68333-79-9	1.5%	0.02	
				Acrylic	25085-41-0	4.5%	0.061	
		Total weight	4.1					

This Document was updated on: 2024/10/16

Important remarks:

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