

MATERIAL DECLARATION SHEET



Material Number	SRR0604 series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2025/11/20			
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	Ferrite Material	Ferrite	0.493	Iron oxide (Fe2O3)	1309-37-1	62%	48.52	78.26
				Cupric Oxide (CuO)	1317-38-0	10%	7.83	
				Zinc oxide (ZnO)	1314-13-2	20%	15.65	
				Nickel oxide (NiO)	1313-99-1	8%	6.26	
2	Wire	Copper	0.057	Copper(Cu)	7440-50-8	99.95%	9.04	9.045
				Misc. ,not to declare	\	0.05%	0.005	
		COATING	0.003	Polyurethane	9009-54-5	100%	0.48	0.48
3	Base	LCP	0.04	Aromatic polyester resin	60088-52-0	65%	4.13	6.35
				Glass fiber	65997-17-3	34%	2.16	
				Carbon black	1333-86-4	1%	0.06	
		Copper	0.01	Copper (Cu)	7440-50-8	93.5%	1.48	1.583
				Tin (Sn)	7440-31-5	6.2%	0.098	
				Phosphorus(P)	7723-14-0	0.3%	0.005	
		Plating	0.0016	Tin (Sn)	7440-31-5	100%	0.26	0.26
			0.0004	Nickel (Ni)	7440-02-0	100%	0.06	0.06
4	Adhesive	Epoxy	0.01	Epoxy Resin	25068-38-6	60.6%	0.96	1.583

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				Calcium carbonate	471-34-1	21.3%	0.34	
				Aluminium hydroxide	21645-51-2	16%	0.25	
				Carbon Black	1333-86-4	2.1%	0.033	
5	Adhesive	Epoxy	0.005	Bisphenol A Epoxy Resin	25068-38-6	64.9%	0.51	0.79
				Epoxy thinning agent	68609-97-2	5.3%	0.045	
				carbon black	1333-86-4	5.3%	0.045	
				Aluminium hydroxide	21645-51-2	24.5%	0.19	
6	Adhesive	Epoxy	0.005	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65%	0.52	0.8
				CALCIUM CARBONATE	1317-65-3	35%	0.28	
7	Solder	Tin	0.0045	Tin (Sn)	7440-31-5	100%	0.71	0.71
8	Tube	Tube	0.0005	Polyethylene	9002-88-4	55%	0.044	0.079
				Magnesium Hydroxide	1309-42-8	38%	0.03	
				Carbon black	1333-86-4	4%	0.003	
				Phosphorous	7723-14-0	3%	0.002	
		Total weight	0.63					

This Document was updated on: 2025/11/20

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.