


MATERIAL DECLARATION SHEET



Material Number	SRR0603 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2020/11/04			
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	0.279	Iron oxide (Fe2O3)	1309-37-1	62.0	6.805	68.05
				Cupric Oxide (CuO)	1317-38-0	10.0	13.61	
				Zinc oxide (ZnO)	1314-13-2	20.0	5.444	
				Nickel oxide (NiO)	1313-99-1	8.0	8.11	
2	Wire	Copper	0.035	Copper(Cu)	7440-50-8	95.0	0.427	8.54
				Modified Polyester Resin	9009-54-5	5.0	11.098	
3	Base	LCP	0.070	Aromatic polyester resin	60088-52-0	65.0	5.805	17.07
				Glass fiber	65997-17-3	34.0	0.171	
				Carbon black	1333-86-4	1.0	0.456	
		Copper	0.002	Copper (Cu)	7440-50-8	93.5	0.03	0.49
				Tin (Sn)	7440-31-5	6.2	0.001	
				Phosphorus(P)	7723-14-0	0.3	0.195	
Plating	0.001	Tin (Sn)	7440-31-5	80.0	0.049	0.24		
		Nickel (Ni)	7440-02-0	20.0	1.463			

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4	Adhesive	Adhesive	0.012	Epoxy Resin	25085-99-8	50.0	0.205	2.93
				Epoxide Diluent	26761-45-5	7.0	0.175	
				Dicyandiamide	461-58-5	6.0	0.585	
				Calcium carbonate	471-34-1	20.0	0.439	
				Aluminium hydroxide	21645-51-2	15.0	0.059	
				Carbon Black	1333-86-4	2.0	0.446	
5	Adhesive	Adhesive	0.003	Bisphenol A Epoxy Resin	25068-38-6	61.0	0.037	0.73
				Epoxy thinning agent	68609-97-2	5.0	0.044	
				Dicyandiamide	461-58-5	6.0	0.037	
				Carbon black	1333-86-4	5.0	0.168	
				Aluminium hydroxide	21645-51-2	23.0	0.439	
6	Adhesive	Adhesive	0.003	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	60.0	0.029	0.73
				Catalyst Blend	-	4.0	0.234	
				Limestone	1317-65-3	32.0	0.029	
				Thermoplastic copolymer	-	4.0	1.22	
7	Solder	Tin	0.005	Tin (Sn)	7440-31-5	100.0	6.805	1.22
		Total weight	0.41					

This Document was updated on: **2024/10/28**

Important remarks:

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