


MATERIAL DECLARATION SHEET



Material Number	SRF1260 SERIES(R47~221)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2020/11/03			
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	1.022	Iron oxide (Fe2O3)	1309-37-1	70.0	24.240	34.65
				Manganese Oxide(Mn3O4)	1317-35-7	22.0	7.620	
				Zinc oxide (ZnO)	1314-13-2	8.0	2.770	
2	RI CORE	Ferrite	0.955	Iron oxide (Fe2O3)	1309-37-1	65.0	21.040	32.37
				Nickel oxide (NiO)	1313-99-1	12.5	4.050	
				Zinc oxide (ZnO)	1314-13-2	18.0	5.830	
				Cupric oxide(CuO)	1317-38-0	4.5	1.460	
3	Base	LCP	0.295	Aromatic polyester resin	60088-52-0	65.0	6.500	10.00
				Glass fiber	65997-17-3	34.0	3.400	
				Carbon Black	1333-86-4	1.0	0.100	
	Copper	0.200	Copper (Cu)	7440-50-8	93.6	6.343	6.78	
			Tin (Sn)	7440-31-5	6.2	0.420		
			Phosphorus(P)	7723-14-0	0.2	0.010		
Plating	0.020	Tin (Sn)	7440-31-5	80.0	0.540	0.68		
		Nickel (Ni)	7440-02-0	20.0	0.140			
4	WIRE	Copper	0.275	Copper(Cu)	7440-50-8	95.0	8.860	9.32
				Modified Polyester Resin	68604-67-1	5.0	0.470	
5	Adhesive	Adhesive	0.047	Bisphenol A Epoxy Resin	25068-38-6	60.0	0.960	1.59
				Dicyandiamide	461-58-5	6.5	0.100	
				Poly urethane	51852-81-4	6.5	0.100	

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				Carbon Black	1333-86-4	2.5	0.040	
				Silicon dioxide	14808-60-7	24.5	0.390	
6	Adhesive	Adhesive	0.116	Bisphenol A Epoxy Resin	25068-38-6	61.0	2.400	3.93
				alkyl glycidyl ether	68609-97-2	5.0	0.200	
				Dicyandiamide	461-58-5	6.0	0.240	
				Carbon Black	1333-86-4	5.0	0.200	
				Aluminum hydroxide	21645-51-2	23.0	0.900	
7	Tape	Tape	0.01	Calendered Aramid Paper (e-metaphenylene-diamine)	25765-47-3	33.0	0.110	0.34
				Acrylic adhesive	-	58.0	0.200	
				Antimony trioxide	1309-64-4	4.0	0.010	
				Flame retardant	-	5.0	0.017	
8	Solder	Tin	0.01	Tin (Sn)	7440-31-5	100.0	0.340	0.34
		Total weight	2.95					

This Document was updated on: 2020/11/03

Important remarks:

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