


MATERIAL DECLARATION SHEET



Material Number	SRF0502 Series			
Product Line	SMD Line Filter			
Compliance Date	2024/8/12			
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	0.156	Iron oxide (Fe2O3)	1309-37-1	65.0%	50.700%	78.0
				Nickel oxide (NiO)	1313-99-1	11.0%	8.580%	
				Zinc oxide (ZnO)	1314-13-2	20.5%	15.990%	
				Cupric Oxide (CuO)	1317-38-0	3.5%	2.730%	
		Plating-Ag	0.004	Silver(Ag)	7440-22-4	100.0%	2.085%	2.1
		Plating-Ni	0.003	Nickel (Ni)	7440-02-0	100.0%	1.250%	1.3
		Plating-Sn	0.003	Tin (Sn)	7440-31-5	100.0%	1.665%	1.6
2	WIRE	Copper (C11000)	0.019	Copper(Cu)	7440-50-8	99.95%	9.495%	9.5
				Misc. ,not to declare	\	0.05%	0.005%	
		Resin	0.001	Polyurethane	9009-54-5	100.0%	0.500%	0.5
3	Adhesive	Epoxy 1	0.006	Bisphenol A Epoxy Resin	25068-38-6	64.4%	1.932%	3.0
				Poly urethane	51852-81-4	7.0%	0.210%	
				Carbon Black	1333-86-4	2.6%	0.078%	
				Silicon dioxide	14808-60-7	26.0%	0.780%	
4	Adhesive	Epoxy 2	0.003	Bisphenol A Epoxy Resin	25068-38-6	64.9%	0.973%	1.5
				Epoxy thinning agent	68609-97-2	5.3%	0.080%	
				carbon black	1333-86-4	5.3%	0.080%	
				Aluminium hydroxide	21645-51-2	24.5%	0.367%	
5	Solder bar	Tin	0.004	Tin (Sn)	7440-31-5	96.5%	1.930%	2.0
				Silver(Ag)	7440-22-4	3.0%	0.060%	

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				Copper(Cu)	7440-50-8	0.5%	0.010%	
6	Ink	Black	0.001	Solvent Black 29	61901-87-9	25.5%	0.128%	0.5
				Polyacrylic acid	9003-01-4	62.0%	0.310%	
				Silicone oil	63148-62-9	12.5%	0.063%	
				Total weight	0.20			

This Document was updated on: 2024/8/12

Important remarks:

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