


# MATERIAL DECLARATION SHEET



Material Number	SRF0504 Series (191Y~302Y)			
Product Line	SMD Line Filter			
Compliance Date	2024/6/11			
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	0.143	Iron oxide (Fe2O3)	1309-37-1	65.0%	26.557%	40.86
				Nickel oxide (NiO)	1313-99-1	11.0%	4.494%	
				Zinc oxide (ZnO)	1314-13-2	20.5%	8.376%	
				Cupric Oxide (CuO)	1317-38-0	3.5%	1.430%	
		Plating-Ag	0.008	Silver(Ag)	7440-22-4	100.0%	2.286%	5.71
		Plating-Ni	0.004	Nickel (Ni)	7440-02-0	100.0%	1.143%	
Plating-Sn	0.008	Tin (Sn)	7440-31-5	100.0%	2.286%			
2	RI Core	Ferrite	0.1	Iron oxide (Fe2O3)	1309-37-1	48.44%	13.840%	28.56
				Nickel oxide (NiO)	1313-99-1	14.79%	4.226%	
				Zinc oxide (ZnO)	1314-13-2	31.48%	8.994%	
				Cupric Oxide (CuO)	1317-38-0	5.29%	1.511%	
3	WIRE	COPPER(C11000)	0.04	Copper(Cu)	7440-50-8	99.95%	11.669%	11.68
				Misc. ,not to declare	\	0.05%	0.006%	
		RESIN	0.003	Polyurethane	9009-54-5	100.00%	0.610%	0.61
4	Adhesive	Adhesive	0.015	Bisphenol A Epoxy Resin	25068-38-6	64.9%	2.781%	4.29
				Epoxy thinning agent	68609-97-2	5.3%	0.228%	
				carbon black	1333-86-4	5.3%	0.228%	
				Aluminium hydroxide	21645-51-2	24.5%	1.049%	
5	Adhesive	Adhesive	0.015	Bisphenol A Epoxy Resin	25068-38-6	64.4%	2.760%	4.29
				Poly urethane	51852-81-4	7.0%	0.300%	

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				Carbon Black	1333-86-4	2.6%	0.111%	
				Silicon dioxide	14808-60-7	26.0%	1.114%	
6	Solder bar	Tin	0.012	Tin (Sn)	7440-31-5	96.50%	3.309%	3.43
				Silver(Ag)	7440-22-4	3.00%	0.103%	
				Copper(Cu)	7440-50-8	0.50%	0.017%	
7	Ink	Epoxy	0.002	Solvent Black 29	61901-87-9	25.5%	0.146%	0.57
				Polyacrylic acid	9003-01-4	62.0%	0.354%	
				Silicone oil	63148-62-9	12.5%	0.071%	
		Total weight	0.35					

**This Document was updated on: 2024/6/11**

**Important remarks:**

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