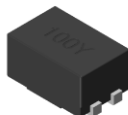


MATERIAL DECLARATION



Material Number	SRF0905A-100Y ~ 500Y_			
Product Line	SMD LINE FILTER			
Compliance Date	2020/11/06			
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	CORE	Ferrite	0.071	Iron oxide (Fe ₂ O ₃)	1309-37-1	64.0	10.82	16.90
				Nickel oxide (NiO)	1313-99-1	10.0	1.69	
				Zinc oxide (ZnO)	1314-13-2	20.0	3.38	
				Cupric oxide(CuO)	1317-38-0	6.0	1.01	
2	WIRE	Copper	0.025	Copper (Cu)	7440-50-8	98.0	5.83	5.95
				Polyurethane	68400-69-9	2.0	0.12	
3	Base	HM	0.170	Aromatic polyester resin	60088-52-0	60.0	24.29	40.48
				Glass fiber	65997-17-3	35.0	14.17	
				Carbon black	1333-86-4	5.0	2.02	
		Copper	0.037	Copper (Cu)	7440-50-8	93.6	8.25	8.81
				Tin (Sn)	7440-31-5	6.2	0.55	
				Phosphorus(P)	7723-14-0	0.2	0.02	
Plating	0.003	Tin (Sn)	7440-31-5	80.0	0.57	0.71		
		Nickel (Ni)	7440-02-0	20.0	0.14			
4	Case	HM	0.080	Aromatic polyester resin	60088-52-0	60.0	11.43	19.05
				Glass fiber	65997-17-3	35.0	6.67	
				Carbon black	1333-86-4	5.0	0.95	
5	Adhesive	Adhesive	0.010	Aliphatic epoxy ester	68475-94-5	65.0	1.5476	2.38
				Ammonium polyphosphate	68333-79-9	25.0	0.5952	

MATERIAL DECLARATION



				Aluminium hydroxide	21645-51-2	7.0	0.1667	
				Iron Oxide(Fe3O4)	1317-61-9	3.0	0.0714	
6	Adhesive	Adhesive	0.005	Modified Polyamide	68910-90-7	75.0	0.8929	1.19
				Aluminium hydroxide	21645-51-2	25.0	0.2976	
7	Adhesive	Adhesive	0.014	Bisphenol A epoxy resin	25085-99-8	50.0	1.67	3.33
				Dicyanodiamide	461-58-5	7.0	0.23	
				2-Propenoic acid	25265-19-4	8.0	0.27	
				3-Glycidoxypropyltrimethoxysilane	2530-83-8	3.0	0.10	
				Aluminium hydroxide	21645-51-2	30.0	1.00	
				Carbon Black	1333-86-4	2.0	0.07	
8	Solder bar	Tin	0.005	Tin (Sn)	7440-31-5	99.0	1.18	1.20
				Silver(Ag)	7440-22-4	0.5	0.01	
				Copper(Cu)	7440-50-8	0.5	0.01	
		Total weight	0.42					

This Document was updated on: 2020/11/06

Important remarks:

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