

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRF1360 Series(101Y~102Y)			
Product Line	SMD Line Filter			
Compliance Date	2025/5/16			
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	Ferrite Material	Ferrite	0.21	Iron oxide (Fe2O3)	1309-37-1	70.0%	14.420%	20.6
				Manganese oxide(MnO)	1344-43-0	15.0%	3.090%	
				Zinc oxide (ZnO)	1314-13-2	15.0%	3.090%	
2	Winding Wire	Copper (C11000)	0.064	Copper(Cu)	7440-50-8	99.95%	6.241%	6.242
				Misc. ,not to declare	\	0.05%	0.001%	
		Resin	0.001	Polyurethane	9009-54-5	77.5%	0.099%	0.128
				Polyamide Resin	9009-54-5	22.5%	0.029%	
3.	Base	LCP	0.25	Aromatic polyester resin	60088-52-0	60.0%	14.700%	24.51
				Glass fiber	65997-17-3	38.0%	9.314%	
				Carbon Black	1333-86-4	2.0%	0.490%	
		C5191	0.35	Copper (Cu)	7440-50-8	93.5%	32.080%	34.31
				Tin (Sn)	7440-31-5	6.2%	2.127%	
				Phosphorus(P)	7723-14-0	0.3%	0.103%	
		Plating	0.04	Tin (Sn)	7440-31-5	100.0%	3.137%	3.92

MATERIAL DECLARATION SHEET



				Nickel (Ni)	7440-02-0	100.0%	0.784%	
3	Adhesive	Epoxy	0.04	Bisphenol A Epoxy Resin	25068-38-6	64.9%	2.545%	3.92
				Epoxy thinning agent	68609-97-2	5.3%	0.209%	
				carbon black	1333-86-4	5.3%	0.209%	
				Aluminium hydroxide	21645-51-2	24.5%	0.960%	
4.	Varnish	Varnish	0.005	diallyl phthalate	131-17-9	100.0%	0.49%	0.49
5.	Solder	Tin	0.06	Tin (Sn)	7440-31-5	99.0%	5.824%	5.88
				Silver(Ag)	7440-22-4	0.5%	0.029%	
				Copper(Cu)	7440-50-8	0.5%	0.029%	
		Total weight	1.02					

This Document was updated on: 2024/2/2

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.