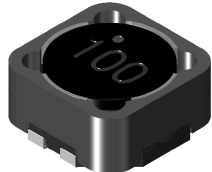


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRF1260A			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/3/8			
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	1.05	Iron oxide (Fe ₂ O ₃)	1309-37-1	71.5%	25.449%	35.593%
				Manganese oxide(MnO)	1344-43-0	18.5%	6.585%	
				Zinc oxide (ZnO)	1314-13-2	10.0%	3.559%	
2	RI Core	Ferrite	0.95	Iron oxide (Fe ₂ O ₃)	1309-37-1	52.0%	16.746%	32.205%
				Zinc oxide (ZnO)	1314-13-2	15.0%	4.831%	
				Cupric oxide(CuO)	1317-38-0	17.0%	5.475%	
				Nickel oxide (NiO)	1313-99-1	16.0%	5.153%	
3	Base	LCP	0.295	Aromatic polyester resin	60088-52-0	60.0%	6.000%	10.00%
				Glass fiber	65997-17-3	38.0%	3.800%	
				Carbon Black	1333-86-4	2.0%	0.200%	
		Copper	0.200	Copper (Cu)	7440-50-8	93.6%	6.346%	6.78%
				Tin (Sn)	7440-31-5	6.2%	0.420%	
				Phosphorus(P)	7723-14-0	0.2%	0.014%	
		Plating	0.020	Tin (Sn)	7440-31-5	100.0%	0.542%	0.678%
				Nickel (Ni)	7440-02-0	100.0%	0.136%	
4	Wire	Copper	0.261	Copper(Cu)	7440-50-8	99.95%	8.850%	8.855%
				Misc. ,not to declare	\	0.05%	0.005%	
		Resin	0.014	Polyurethane	9009-54-5	100.0%	0.466%	0.466%
5	Tape	Tape	0.01	1,3-Benzenedicarbonyl dichloride, polymer with 1,3-benzenediamine	25765-47-3	96.0%	0.325%	0.338%
				Ammonium polyphosphate	68333-79-9	1.0%	0.003%	
				2-Propenoic acid, polymer with butyl 2-propenoate and ethenyl acetate	25085-41-0	3.0%	0.010%	

MATERIAL DECLARATION SHEET



6	Adhesive 1	Epoxy	0.052	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	65.0%	1.146%	1.763%
				Ground calcium carbonate	1317-65-3	35.0%	0.617%	
7	Adhesive 2	Epoxy	0.088	Epoxy Resins	61788-97-4	84.2%	2.512%	2.983%
				Silicon	7440-21-3	15.8%	0.471%	
8	Solder	Tin	0.01	Tin (Sn)	7440-31-5	100.0%	0.339%	0.339%
		Total weight	2.95					

This Document was updated on: 2024/3/8

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