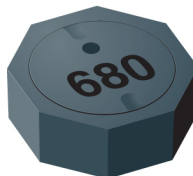


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRU5028 series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2025/12/23			
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	0.0955	Iron oxide (Fe ₂ O ₃)	1309-37-1	63.0%	22.283	35.37
				Nickel oxide (NiO)	1313-99-1	12.0%	4.244	
				Zinc oxide (ZnO)	1314-13-2	20.0%	7.074	
				Cupric oxide(CuO)	1317-38-0	5.0%	1.769	
2	RI Core	Ferrite	0.1235	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0%	28.359	45.741
				Nickel oxide (NiO)	1313-99-1	11.0%	5.032	
				Zinc oxide (ZnO)	1314-13-2	20.0%	9.148	
				Cupric oxide(CuO)	1317-38-0	7.0%	3.202	
	WIRE	Copper	0.028	Copper(Cu)	7440-50-8	99.95%	10.199	10.204
				Misc. ,not to declare	\	0.05%	0.005	
		Resin	0.001	Polyurethane	9009-54-5	100%	0.537	0.537
	Adhesive	Epoxy	0.01	Bisphenol A Epoxy Resin	25068-38-6	64.9%	2.404	3.704
				Epoxy thinning agent	68609-97-2	5.3%	0.196	
				carbon black	1333-86-4	5.3%	0.196	
				Aluminium hydroxide	21645-51-2	24.5%	0.908	
	Terminal	Plating-Ag	0.002	Silver(Ag)	7440-22-4	44.4%	0.822	0.822
		Plating-Ni	0.001	Nickel (Ni)	7440-02-0	21.2%	0.393	0.393
		Plating-Sn	0.002	Tin (Sn)	7440-31-5	34.4%	0.637	0.637

MATERIAL DECLARATION SHEET



	Solder bar	Tin	0.0035	Tin (Sn)	7440-31-5	96.5%	1.251	1.296
				Silver(Ag)	7440-22-4	3.0%	0.039	
				Copper(Cu)	7440-50-8	0.5%	0.006	
	Solder wire	Tin	0.0034	Tin (Sn)	7440-31-5	99.0%	1.247	1.259
				Silver(Ag)	7440-22-4	0.5%	0.006	
				Copper(Cu)	7440-50-8	0.5%	0.006	
	Ink	Ink	0.0001	Solvent Black 29	61901-87-9	25.5%	0.009	0.037
				Polyacrylic acid	9003-01-4	62.0%	0.023	
				Silicone oil	63148-62-9	12.5%	0.005	
		Total weight	0.27					

This Document was updated on: 2025/12/23

Important remarks:

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