

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRN5030HA			
Product Line	Semi-shielded SMD Power Inductor			
Compliance Date	2025/10/16			
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	Cora	Ferrite	0.174	Iron oxide (Fe2O3)	1309-37-1	65%	36.37	55.95
				Nickel oxide (NiO)	1313-99-1	13.5%	7.55	
				Zinc oxide (ZnO)	1314-13-2	16.5%	9.23	
				Cupric Oxide (CuO)	1317-38-0	5%	2.8	
		Plating-Ag	0.005	Silver(Ag)	7440-22-4	100%	1.61	1.61
		Plating-Ni	0.0025	Nickel (Ni)	7440-02-0	100%	0.805	0.805
		Plating-Su	0.0025	Tin (Sn)	7440-31-5	100%	0.805	0.805
2	Wire	Copper (C11000)	0.064	Copper(Cu)	7440-50-8	99.95%	20.45	20.46
				Misc. ,not to declare	\	0.05%	0.01	
		Resin	0.003	Polyurethane	9009-54-5	100%	1.08	1.08
3	Adhesive	Epoxy	0.04	Iron	7439-89-6	65%	8.36	12.86
				Carbon	7704-44-0	0.2%	0.026	
				Oxygen	7782-44-7	0.3%	0.039	
				Quartz	14808-60-7	21%	2.701	
				Dimethylvinylated and trimethylated silica	68988-89-6	13.5%	1.736	
4	Solder bar	Tin	0.02	Tin (Sn)	7440-31-5	99.0%	6.368	6.43
				Silver(Ag)	7440-22-4	0.5%	0.03	
				Copper(Cu)	7440-50-8	0.5%	0.03	
		Total weight	0.311					

This Document was updated on: 2025/10/16

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