

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	SRR4011 series			
Product Line	SHIELDED SMD POWER INDUCTOR			
Compliance Date	2025/12/24			
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	0.102	Iron oxide (Fe2O3)	1309-37-1	63.0%	35.90%	56.98
				Nickel oxide (NiO)	1313-99-1	12.0%	6.84%	
				Zinc oxide (ZnO)	1314-13-2	20.0%	11.40%	
				Cupric oxide(CuO)	1317-38-0	5.0%	2.85%	
2	Winding Wire	Copper (C11000)	0.026	Copper(Cu)	7440-50-8	99.95%	14.33%	14.34
				Misc. ,not to declare	\	0.05%	0.01%	
		COATING	0.001	Polyurethane	9009-54-5	100.00%	0.75%	0.75
3	Terminal	Plating-Ag	0.004	Silver(Ag)	7440-22-4	100.00%	2.48%	2.48
		Plating-Ni	0.002	Nickel (Ni)	7440-02-0	100.00%	1.18%	1.18
		Plating-Sn	0.004	Tin (Sn)	7440-31-5	100.00%	1.92%	1.92
4	Adhesive	Epoxy	0.024	Bisphenol A Epoxy Resin	25068-38-6	64.9%	8.70%	13.41
				Epoxy thinning agent	68609-97-2	5.3%	0.71%	
				carbon black	1333-86-4	5.3%	0.71%	
				Aluminium hydroxide	21645-51-2	24.5%	3.28%	
5	Solder	Tin	0.015	Tin (Sn)	7440-31-5	99.0%	8.30%	8.38
				Silver(Ag)	7440-22-4	0.5%	0.04%	
				Copper(Cu)	7440-50-8	0.5%	0.04%	
6.	Ink	Black	0.001	Solvent Black 29	61901-87-9	25.5%	0.14%	0.56
				Polyacrylic acid	9003-01-4	62.0%	0.35%	
				Silicone oil	63148-62-9	12.5%	0.07%	
		Total weight	0.179					

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This Document was updated on: 2025/12/24

Important remarks:

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