

MATERIAL DECLARATION SHEET



Material Number	SRU3011 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2026/03/25			
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 / RI Core	Ferrite	0.0325	Iron oxide (Fe2O3)	1309-37-1	63.0%	53.882	85.526
				Nickel oxide (NiO)	1313-99-1	12.0%	10.263	
				Zinc oxide (ZnO)	1314-13-2	20.0%	17.105	
				Cupric oxide(CuO)	1317-38-0	5.0%	4.276	
2	WIRE	Copper (C11000)	0.0021	Copper(Cu)	7440-50-8	99.95%	5.497	5.5
				Misc. ,not to declare	\	0.05%	0.003	
		Resin	0.0001	Polyurethane	9009-54-5	100.0%	0.29	0.29
3	Adhesive	Epoxy	0.0012	Bisphenol A Epoxy Resin	25068-38-6	64.9%	2.05	3.158
				Epoxy thinning agent	68609-97-2	5.3%	0.167	
				carbon black	1333-86-4	5.3%	0.167	
				Aluminium hydroxide	21645-51-2	24.5%	0.774	
4	Terminal	Plating-Ag	0.0005	Silver(Ag)	7440-22-4	100.0%	1.168	1.168
		Plating-Ni	0.0002	Nickel (Ni)	7440-02-0	100.0%	0.558	0.558
		Plating-Sn	0.0003	Tin (Sn)	7440-31-5	100.0%	0.905	0.905
5	Solder wire	Tin	0.001	Tin (Sn)	7440-31-5	99.0%	2.606	2.632
				Silver(Ag)	7440-22-4	0.5%	0.013	
				Copper(Cu)	7440-50-8	0.5%	0.013	
6	Marking	Ink	0.0001	Solvent Black 29	61901-87-9	25.5%	0.067	0.263
				Polyacrylic acid	9003-01-4	62.0%	0.163	
				Silicone oil	<u>63148-62-9</u>	12.5%	0.033	

MATERIAL DECLARATION SHEET

BOURNS®

Total weight	0.038
--------------	-------

This Document was updated on: **2026/03/25**

Important remarks:

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