


# MATERIAL DECLARATION SHEET



Material Number	SRU5018 series (1R0~6R8 · 101)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/10/05			
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	0.122	Iron oxide (Fe2O3)	1309-37-1	63.0%	45.212	71.76
				Nickel oxide (NiO)	1313-99-1	12.0%	8.612	
				Zinc oxide (ZnO)	1314-13-2	20.0%	14.353	
				Cupric oxide(CuO)	1317-38-0	5.0%	3.588	
2	WIRE	Copper (C11000)	0.0285	Copper(Cu)	7440-50-8	99.5%	16.756	16.76
				Misc. ,not to declare	\	0.05%	0.008	
		Resin	0.0015	Polyurethane	9009-54-5	100.00%	0.882	0.88
3	Adhesive	Epoxy	0.008	Bisphenol A Epoxy Resin	25068-38-6	64.9%	3.054	4.71
				Epoxy thinning agent	68609-97-2	5.3%	0.249	
				carbon black	1333-86-4	5.3%	0.249	
				Aluminium hydroxide	21645-51-2	24.5%	1.153	
4	Terminal	Plating-Ag	0.003	Silver(Ag)	7440-22-4	100.0%	1.765	1.76
		Plating-Ni	0.001	Nickel (Ni)	7440-02-0	100.0%	0.588	0.59
		Plating-Sn	0.002	Tin (Sn)	7440-31-5	100.0%	1.176	1.18
5	Solder bar	Tin	0.0019	Tin (Sn)	7440-31-5	96.50%	1.08	1.12
				Silver(Ag)	7440-22-4	3.00%	0.034	
				Copper(Cu)	7440-50-8	0.50%	0.006	
6	Solder Wire	Tin	0.002	Tin (Sn)	7440-31-5	99.0%	1.165	1.18

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				Silver(Ag)	7440-22-4	0.5%	0.006	
				Copper(Cu)	7440-50-8	0.5%	0.006	
7	Ink	Ink	0.0001	Solvent Black 29	61901-87-9	25.5%	0.015	0.06
				Polyacrylic acid	9003-01-4	62.0%	0.036	
				Silicone oil	63148-62-9	12.5%	0.007	
		Total weight	<b>0.17</b>					

**This Document was updated on: 2024/10/05**

**Important remarks:**

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