


MATERIAL DECLARATION SHEET



Material Number	SRU3028A Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/7/11			
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	0.17	Iron oxide (Fe ₂ O ₃)	1309-37-1	63.0%	8.568%	13.60
				Nickel oxide (NiO)	1313-99-1	12.0%	1.632%	
				Zinc oxide (ZnO)	1314-13-2	20.0%	2.720%	
				Cupric oxide(CuO)	1317-38-0	5.0%	0.680%	
2	RI Core	Ferrite	0.57	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0%	28.272%	45.60
				Nickel oxide (NiO)	1313-99-1	11.0%	5.016%	
				Zinc oxide (ZnO)	1314-13-2	20.0%	9.120%	
				Cupric oxide(CuO)	1317-38-0	7.0%	3.192%	
3	Wire	COPPER(C11000)	0.228	Copper(Cu)	7440-50-8	99.95%	17.328%	18.24
		RESIN	0.012	Misc. ,not to declare	\	0.05%	0.912%	
4	Adhesive	Epoxy	0.1	Polyurethane	9009-54-5	100.0%	0.960%	8.00
				Bisphenol A Epoxy Resin	25068-38-6	61.0%	4.880%	
				Epoxy thinning agent	68609-97-2	5.0%	0.400%	
				carbon black	1333-86-4	11.0%	0.880%	
5	Terminal	Plating- Ag	0.023	Filler	21645-51-2	23.0%	1.840%	1.84
		Plating- Ni	0.009	Silver(Ag)	7440-22-4	100.0%	1.840%	
		Plating- Sn	0.018	Nickel (Ni)	7440-02-0	100.0%	0.720%	
6	Solder wire	Tin	0.1	Tin (Sn)	7440-31-5	100.0%	1.440%	1.44
				Tin (Sn)	7440-31-5	99.0%	7.920%	
				Silver(Ag)	7440-22-4	0.5%	0.040%	
7	Ink	White	0.02	Copper(Cu)	7440-50-8	0.5%	0.040%	8.00
				Acrylic resin	9003-01-4	100.0%	1.60%	

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Total weight	1.25
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This Document was updated on: 2024/7/11

Important remarks:

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