

MATERIAL DECLARATION SHEET



Material Number	SRU8043 series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2024/6/20			
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	0.72	Iron oxide (Fe ₂ O ₃)	1309-37-1	65.0%	52.005%	80.00
				Nickel oxide (NiO)	1313-99-1	12.5%	9.999%	
				Zinc oxide (ZnO)	1314-13-2	18.0%	14.398%	
				Cupric oxide(CuO)	1317-38-0	4.5%	3.600%	
2	WIRE	COPPER	0.095	Copper(Cu)	7440-50-8	99.95%	10.027%	10.55
		RESIN	0.005	Misc. ,not to declare	\	0.05%	0.523%	
				Polyurethane	9009-54-5	100.00%	0.550%	0.56
3	Adhesive	Epoxy	0.04	Bisphenol A Epoxy Resin	25068-38-6	64.9%	2.884%	4.44
				Epoxy thinning agent	68609-97-2	5.3%	0.236%	
				carbon black	1333-86-4	5.3%	0.236%	
				Aluminium hydroxide	21645-51-2	24.5%	1.087%	
4	Terminal	plating	0.01	Silver(Ag)	7440-22-4	44.4%	0.493%	1.11
				Nickel (Ni)	7440-02-0	21.2%	0.236%	
				Tin (Sn)	7440-31-5	34.4%	0.382%	
5	Solder wire	Tin	0.03	Tin (Sn)	7440-31-5	99.0%	3.300%	3.33
				Silver(Ag)	7440-22-4	0.5%	0.017%	
				Copper(Cu)	7440-50-8	0.5%	0.017%	
6	Ink	Ink	0.0001	Acrylic resin	9003-01-4	100.0%	0.010%	0.01
			Total weight	0.9				

This Document was updated on: 2024/6/20

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Important remarks:

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