


# MATERIAL DECLARATION SHEET



Material Number	SRU1028 Series(1R0~680)			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2020/11/06			
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	0.325	Iron oxide (Fe2O3)	1309-37-1	65.0	23.472	36.11
				Nickel oxide (NiO)	1313-99-1	12.5	4.513	
				Zinc oxide (ZnO)	1314-13-2	18.0	6.500	
				Cupric oxide(CuO)	1317-38-0	4.5	1.625	
2	RI Core	Ferrite	0.418	Iron oxide (Fe2O3)	1309-37-1	62.0	28.796	46.44
				Nickel oxide (NiO)	1313-99-1	11.0	5.109	
				Zinc oxide (ZnO)	1314-13-2	20.0	9.289	
				Cupric oxide(CuO)	1317-38-0	7.0	3.251	
3	Wire	Copper	0.127	Copper(Cu)	7440-50-8	95.0	13.406	14.11
				Modified Polyester Resin	26680-22-8	5.0	0.706	
4	Adhesive	Adhesive	0.013	Bisphenol A Epoxy Resin	25068-38-6	61.0	0.881	1.44
				alkyl glycidyl ether	68609-97-2	5.0	0.072	
				Dicyandiamide	461-58-5	6.0	0.087	
				Carbon Black	1333-86-4	5.0	0.072	
				Aluminum hydroxide	21645-51-2	23.0	0.332	
5	Terminal	Plating	0.01	Silver(Ag)	7440-22-4	46.0	0.511	1.11
				Nickel (Ni)	7440-02-0	18.0	0.200	
				Tin (Sn)	7440-31-5	36.0	0.400	
6	Solder wire	Tin	0.007	Tin (Sn)	7440-31-5	99.0	0.770	0.78

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				Silver(Ag)	7440-22-4	0.5	0.004	
				Copper(Cu)	7440-50-8	0.5	0.004	
		Total weight	0.9					

**This Document was updated on: 2020/11/06**

**Important remarks:**

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