


MATERIAL DECLARATION SHEET



Material Number	SRU1048 Series			
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	0.515	Iron oxide (Fe ₂ O ₃)	1309-37-1	65.0	20.537	31.60
				Nickel oxide (NiO)	1313-99-1	12.5	3.949	
				Zinc oxide (ZnO)	1314-13-2	18.0	5.687	
				Cupric oxide(CuO)	1317-38-0	4.5	1.422	
2	RI Core	Ferrite	0.735	Iron oxide (Fe ₂ O ₃)	1309-37-1	62.0	27.957	45.09
				Nickel oxide (NiO)	1313-99-1	11.0	4.960	
				Zinc oxide (ZnO)	1314-13-2	20.0	9.018	
				Cupric oxide(CuO)	1317-38-0	7.0	3.156	
3	Wire	Copper	0.322	Copper(Cu)	7440-50-8	95.0	18.767	19.75
				Modified Polyester Resin	26680-22-8	5.0	0.988	
4	Adhesive	Adhesive	0.012	Bisphenol A Epoxy Resin	25068-38-6	61.0	0.449	0.74
				alkyl glycidyl ether	68609-97-2	5.0	0.037	
				Dicyandiamide	461-58-5	6.0	0.044	
				Carbon Black	1333-86-4	5.0	0.037	
				Aluminum hydroxide	21645-51-2	23.0	0.169	
5	Terminal	Plating	0.003	Silver(Ag)	7440-22-4	65.0	0.120	0.18
				Nickel (Ni)	7440-02-0	14.0	0.026	
				Tin (Sn)	7440-31-5	21.0	0.039	
6	Solder wire	Tin	0.043	Tin (Sn)	7440-31-5	99.0	2.612	2.64

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				Silver(Ag)	7440-22-4	0.5	0.013	
				Copper(Cu)	7440-50-8	0.5	0.013	
		Total weight	1.63					

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.