


MATERIAL DECLARATION SHEET



Material Number	SRU1048 Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2014/07/03			
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 Core	0.655	Iron oxide	1309-37-1	65.0%	26.12%	40.18%
				Nickel oxide	1313-99-1	12.5%	5.02%	
				Zinc oxide	1314-13-2	18.0%	7.23%	
				Cupric oxide	1317-38-0	4.5%	1.81%	
2	RI CORE	Ferrite Core	0.602	Iron oxide	1309-37-1	64.0%	23.64%	36.93%
				Nickel oxide	1313-99-1	10.0%	3.69%	
				Zinc oxide	1314-13-2	20.0%	7.39%	
				Cupric oxide	1317-38-0	6.0%	2.22%	
3	WIRE	Copper Wire	0.331	Copper	7440-50-8	95.0%	19.29%	20.31%
				Polyester Resin	9009-54-5	5.0%	1.02%	
4	Adhesive	adhesive	0.023	Bisphenol A Epoxy Resin	25068-38-6	59.0%	0.83%	1.41%
				.Alkyl glycidyl ether	68609-97-2	4.0%	0.06%	
				Methyl imidazole	693-98-1	10.0%	0.14%	
				Carbon black	1333-86-4	5.0%	0.07%	
				Silicon dioxide	7631-86-9	22.0%	0.31%	
5	Terminal	-	0.012	Silver	7440-22-4	46.0%	0.34%	0.74%
				Nickel	7440-02-0	18.0%	0.13%	
				Tin	7440-31-5	36.0%	0.27%	
6	Solder wire	Tin	0.007	Tin	7440-31-5	99.0%	0.43%	0.43%

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				Silver	7440-22-4	0.5%	0.002%	
				Copper	7440-50-8	0.5%	0.002%	
		Total weight	1.63					

This Document was updated on: 2014/07/03

Important remarks:

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