


# MATERIAL DECLARATION SHEET



Material Number	SRR1210A series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2017/06/13			
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 + RI CORE	Ferrite Core	3.15	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	62.0	43.400	70.0
				Zinc oxide (ZnO)	1314-13-2	20.0	14.000	
				Cupric oxide(CuO)	1317-38-0	10.0	7.000	
				Nickel oxide (NiO)	1313-99-1	8.0	5.600	
2	WIRE	Copper Wire	0.90	Copper(Cu)	7440-50-8	95.0	19.000	20.0
				Modified Polyester Resin	9009-54-5	5.0	1.000	
3	Terminal	Clip	0.04	Copper (Cu)	7440-50-8	93.7	0.833	0.89
				Tin (Sn)	7440-31-5	6.1	0.054	
				Phosphorus(P)	7723-14-0	0.2	0.002	
		Plating	0.017	Tin (Sn)	7440-31-5	80.0	0.302	0.38
Nickel (Ni)	7440-02-0			20.0	0.076			
4	Adhesive	Resin	0.23	Epoxy Resins	61788-97-4	55.0	2.811	5.11
				Silicon	7440-21-3	35.0	1.789	
				Dicyandiamide	461-58-5	5.0	0.256	
				Additive	-	5.0	0.256	
5	Adhesive	Resin	0.018	Epoxy Resins	61788-97-4	45.0	0.180	0.40
				Bisphenol A Epoxy Resin	25068-38-6	45.0	0.180	
				PHENOLSULPHONIC ACID	98-67-9	5.0	0.020	
				Additive	-	5.0	0.020	

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6	Adhesive	Resin	0.02	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	60.0	0.267	0.44
				Catalyst Blend	-	4.0	0.018	
				Limestone	1317-65-3	32.0	0.142	
				Thermoplastic copolymer	-	4.0	0.018	
7	Solder	Sn	0.02	Tin (Sn)	7440-31-5	100.0	0.444	0.44
8	Tape	Tape	0.105	Poly(isophthaloyl-chlorid e-metaphenylene-diamine)	25765-47-3	35.0	0.817	2.33
				Acrylic adhesive, Flame retardant	-	61.3	1.430	
				Antimony trioxide	1309-64-4	3.5	0.082	
				N,N-Dimethylacetamide	127-19-5	0.2	0.0047	
		Total weight	4.50					

**This Document was updated on: 2017/06/13**

**Important remarks:**

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