


# MATERIAL DECLARATION SHEET



Material Number	SRF1280A Series			
Product Line	Shielded SMD Power Inductor			
Compliance Date	2013/8/29			
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	TP4A	1.332	Iron oxide	1309-37-1	70.00	22.74	32.49
				Manganese Oxide	1317-35-7	22.00	7.15	
				Zinc oxide	1314-13-2	8.00	2.60	
2	RI CORE	TN25H	1.249	Iron oxide	1309-37-1	65.00	19.80	30.46
				Nickel oxide	1313-99-1	12.50	3.81	
				Zinc oxide	1314-13-2	18.00	5.48	
				Cupric oxide	1317-38-0	4.50	1.37	
3	Wire	P180	1.150	Copper	7440-50-8	95.00	26.65	28.05
				Polyurethane Resin	68400-67-9	5.00	1.40	
4	Base	LCP-E4008	0.200	Aromatic polyester resin	60088-52-0	70.00	3.41	4.88
				Glass fiber	65997-17-3	30.00	1.46	
5	Terminal	C5191	0.028	Copper	7440-50-8	93.60	0.64	0.68
				Tin	7440-31-5	6.20	0.04	
				Phosphorus	7723-14-0	0.20	0.00	
6	Adhesive	6020H-6-QR-NH	0.023	Epoxy Resin	25068-38-6	65.6	0.37	0.56
				Alkyl glycidyl ether	68609-97-2	4.4	0.02	
				Carbon black	1333-86-4	5.6	0.03	
				Silicon dioxide	7631-86-9	24.4	0.14	
7	Adhesive	6020H-2-NH	0.023	Epoxy Resin	25068-38-6	64.4	0.36	0.56
				Alkyl glycidyl ether	68609-97-2	3.3	0.02	
				Carbon black	1333-86-4	5.6	0.03	
				Silicon dioxide	7631-86-9	26.7	0.15	
8	Adhesive	LS-0022	0.023	Epoxy resins	61788-97-4	55.00	0.31	0.56
				Silicon	7440-21-3	35.00	0.20	
				Dicyandiamide	461-58-5	5.00	0.03	
				Additives, not to declare	Trade secret	5.00	0.03	

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9	Solder	100H	0.012	Tin	7440-31-5	100.00	0.29	0.29
10	Tape	386UL Nomex tape	0.060	Acrylic Polymer	9017-68-9	56	0.82	1.46
				Aramid Paper	25765-47-3	33	0.48	
				Antimony trioxide	1309-64-4	3.7	0.05	
				Brominated FR	Trade secret	7.3	0.11	
		Total weight	4.100					

This Document was updated on: 04.04.2023

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.