


MATERIAL DECLARATION



Material Number	SDR1045-series			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.06.01			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ferrite Material	F4D	630	Iron oxide (Fe2O3)	1309-37-1	60	31.26	52.1
				Nickel oxide (NiO)	1313-99-1	10	5.21	
				Zinc oxide (ZnO)	1314-13-2	20	10.42	
				Copper oxide(CuO)	1317-38-0	10	5.21	
2	Winding Wire	2SFBW	444	Copper (Cu)	7440-50-8	95	34.9	36.7
				Polyester Resin	N/A	5	1.8	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	0.772	0.8
				Silver (Ag)	7440-22-4	3	0.024	
				Copper (Cu)	7440-50-8	0.5	0.004	
4	BASE	LCP-E4008	100	Aromatic polyester resin	6088-52-0	100	8.3	8.3
5	Terminal Electrode	C5191	16	Copper (Cu)	7440-50-8	92.65	1.204	1.3
				Tin (Sn)	744031-5	7	0.091	
				Phosphorus (P)	7723-14-0	0.35	0.005	
6	Adhesive	6020H-2	10	Bisphenol A Epoxy Resin	25068-38-6	63	0.504	0.8
				Alkyl glycidyl ether	68609-97-2	3	0.024	
				Methyl imidazole	693-98-1	5	0.04	
				Carbon black	1333-86-4	3	0.024	
				Silicon dioxide	7631-86-9	26	0.208	
			Total weight			1210		

This Document was updated on: 11-1-2010

Important remarks:

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