


MATERIAL DECLARATION



Material Number	SDR1005-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	710	Iron oxide (Fe2O3)	1309-37-1	60	32	53.3
				Nickel oxide (NiO)	1313-99-1	10	5.3	
				Zinc oxide (ZnO)	1314-13-2	20	10.7	
				Copper oxide(CuO)	1317-38-0	10	5.3	
2	Winding Wire	2SFBW	400	Copper (Cu)	7440-50-8	95	28.6	30.1
				Polyester Resin	68604-67-1	5	1.5	
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	150	Aromatic polyester resin	60088-52-0	100	11	11
5	Terminal Electrode	C5191	50	Copper (Cu)	7440-50-8	92.65	3.706	4
				Tin (Sn)	744031-5	7	0.28	
				Phosphor(P)	7723-14-0	0.35	0.014	
6	Adhesive	6020H-6-3	10	Bis phenol 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	

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				Carbon black	1333-86-4	3	0.024	
				Silicon dioxide	7631-86-9	26	0.208	
		Total weight	1330					

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