


MATERIAL DECLARATION



Material Number	SDR1305-series			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.06.02			
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	1000	Iron oxide (Fe ₂ O ₃)	1309-37-1	60	30	50
				Nickel oxide (NiO)	1313-99-1	10	5	
				Zinc oxide (ZnO)	1314-13-2	20	10	
				Copper oxide(CuO)	1317-38-0	10	5	
2	Winding Wire	2SFBW	800	Copper (Cu)	7440-50-8	95	38	40
				Polyester Resin	N/A	5	2	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	0.482	0.5
				Silver (Ag)	7440-22-4	3	0.015	
				Copper (Cu)	7440-50-8	0.5	0.003	
4	BASE	LCP-E4008	180	Aromatic polyester resin	6088-52-0	100	8	8
5	Terminal Electrode	C5191	20	Copper (Cu)	7440-50-8	92.65	0.926	1
				Tin (Sn)	744031-5	7	0.07	
				Phosphorus (P)	7723-14-0	0.35	0.004	
6	Adhesive	6020H-2	10	Bisphenol A Epoxy Resin	25068-38-6	63	0.315	0.5
				Alkyl glycidyl ether	68609-97-2	3	0.015	
				Methyl imidazole	693-98-1	5	0.025	
				Carbon black	1333-86-4	3	0.015	
				Silicon dioxide	7631-86-9	26	0.13	
		Total weight	2020					

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