


MATERIAL DECLARATION



Material Number	SDR1806-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	2300	Iron oxide (Fe ₂ O ₃)	1309-37-1	60	34.92	58.2
				Nickel oxide (NiO)	1313-99-1	10	5.82	
				Zinc oxide (ZnO)	1314-13-2	20	11.64	
				Copper oxide(CuO)	1317-38-0	10	5.82	
2	Winding Wire	2SFBW	1190	Copper (Cu)	7440-50-8	95	28.6	30.1
				Polyester Resin	68604-67-1	5	1.5	
3	Solder	Lead free-solder	20	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	370	Aromatic polyester resin	60088-52-0	100	9.4	9.4
5	Terminal Electrode	C5191	30	Copper (Cu)	7440-50-8	92.65	0.741	0.8
				Tin (Sn)	7440-31-5	7	0.056	
				Phosphorus (P)	7723-14-0	0.35	0.003	
6	Adhesive	6020H-6-3	40	Bisphenol A Epoxy Resin	25068-38-6	63	0.63	1
				Alkyl glycidyl ether	68609-97-2	3	0.03	

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				Methylimidazole	693-98-1	5	0.05	
				Carbon black	1333-86-4	3	0.03	
				Silicon dioxide	7631-86-9	26	0.26	
			Total weight	3950				

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