


# MATERIAL DECLARATION



Material Number	SDR7030-series			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.06.03			
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	220	Iron oxide (Fe2O3)	1309-37-1	60	30.6	51
				Nickel oxide (NiO)	1313-99-1	10	5.1	
				Zinc oxide (ZnO)	1314-13-2	20	10.2	
				Copper oxide(CuO)	1317-38-0	10	5.1	
2	Winding Wire	2SFBW	110	<b>Copper (Cu)</b>	<b>7440-50-8</b>	<b>95</b>	24.7	26
				<b>Polyester Resin</b>	<b>N/A</b>	<b>5</b>	1.3	
3	Solder	Lead free-solder	5	Tin (Sn)	7440-31-5	96.5	0.965	1
				Silver (Ag)	7440-22-4	3	0.03	
				Copper (Cu)	7440-50-8	0.5	0.005	
4	BASE	LCP-E4008	80	Aromatic polyester resin	6088-52-0	100	19	19
5	Terminal Electrode	C5191	10	Copper (Cu)	7440-50-8	92.65	1.853	2
				Tin (Sn)	744031-5	7	0.14	
				Phosphorus (P)	7723-14-0	0.35	0.007	
6	Adhesive	6020H-2	5	<b>Bisphenol A Epoxy Resin</b>	<b>25068-38-6</b>	<b>63</b>	0.63	1
				<b>Alkyl glycidyl ether</b>	<b>68609-97-2</b>	<b>3</b>	0.03	
				<b>Methyl imidazole</b>	<b>693-98-1</b>	<b>5</b>	0.05	
				<b>Carbon black</b>	<b>1333-86-4</b>	<b>3</b>	0.03	
				<b>Silicon dioxide</b>	<b>7631-86-9</b>	<b>26</b>	0.26	
		Total weight	430					

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