


# MATERIAL DECLARATION



Material Number	SDR6603			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.06.23			
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	CORE	F2K	101	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1317-60-8	70	47.6	68
				Manganese oxide(MnO)	1344-43-0	15	10.2	
				Zinc oxide (ZnO)	1314-13-2	15	10.2	
2	Winding Wire	2SFBW	21	Copper (Cu)	7440-50-8	95	13.5	14.2
				Polyester Resin	N/A	5	0.7	
3	BASE	CERAMIC	17	Ceramic	N/A	100	11.5	11.5
4	Terminal Electrode	Ag/Ni/Sn	5	Silver (Ag)	7440-22-4	70	2.31	3.3
				Nickel (Ni)	7440-02-0	25	0.82	
				Gold (Au)	7440-57-5	5	0.17	
5	Adhesive	6020H-6-3	3	Bisphenol A Epoxy Resin	25068-38-6	63	1.26	2
				Alkyl glycidyl ether	68609-97-2	3	0.06	
				Methyl imidazole	693-98-1	5	0.1	
				Carbon black	1333-86-4	3	0.06	
				Silicon dioxide	7631-86-9	26	0.52	
6	Solder	Lead free-solder	1	Tin (Sn)	7440-31-5	96.5	0.965	1
				Silver (Ag)	7440-22-4	3	0.03	
				Copper C(u)	7440-50-8	0.5	0.005	
			Total weight			148		

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