


# MATERIAL DECLARATION



Material Number	SDR0603-series			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.05.26			
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	F4D108.86	234	Iron oxide (Fe2O3)	1309-37-1	60	40.8	68
				Nickel oxide (NiO)	1313-99-1	10	6.8	
				Zinc oxide (ZnO)	1314-13-2	20	13.6	
				Copper oxide(CuO)	1317-38-0	10	6.8	
2	Winding Wire	P180-G2	92	<b>Copper (Cu)</b>	<b>7440-50-8</b>	95	25.65	27
				<b>Polyurethane resin</b>	<b>9009-54-5</b>	5	1.35	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	2.9	3
				Silver (Ag)	7440-22-4	3	0.09	
				Copper (Cu)	7440-50-8	0.5	0.01	
4	Terminal	PLATING METAL	3.5	Silver (Ag)	7440-22-4	46	0.46	1
				Nickel (Ni)	7440-02-0	18	0.18	
				Tin (Sn)	7440-31-5	36	0.36	
5	Adhesive	UV-C110	3.5	Acrylic acid resin	9003-01-4	50	0.5	1
				Acrylic ester-copolymerizate	40704-95-8	40	0.4	
				2-Hydroxy-4-octyloxybenzophenone	1843-05-6	10	0.1	
		Total weight	343					

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.