


# MATERIAL DECLARATION



Material Number	SRR6028 -series			
Product Line	SHIELDED SMD POWER INDUCTOR			
Compliance Date	2009.07.20			
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	410	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	60	48.6	81
				Nickel oxide (NiO)	1313-99-1	10	8.1	
				Zinc oxide (ZnO)	1314-13-2	20	16.2	
				Copper oxide(CuO)	1317-38-0	10	8.1	
2	Winding Wire	P180-G2	70	Copper (Cu)	7440-50-8	95	13.3	14
				Polyurethane resin	9009-54-5	5	0.7	
3	Solder	Lead free-solder	9	Tin (Sn)	7440-31-5	96.5	1.93	2
				Silver (Ag)	7440-22-4	3	0.06	
				Copper (Cu)	7440-50-8	0.5	0.01	
4	Terminal	Ag/Ni/Sn	7	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	6020H-6-3	9	Bisphenol A Epoxy Resin	25068-38-6	63	1.26	2
				Alkyd 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	
		Total weight	505					

**This Document was updated on: 10-28-2010**

**Important remarks:** It is the responsibility of the user to verify they are accessing the latest version.