

# MATERIAL DECLARATION SHEET



Material Number	PM3602			
Product Line	SMD POWER INDUCTOR			
Compliance Date	01-July-2006			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material/ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Core	T25-52	0.425	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	69.6	26.8	38.5
				Manganese oxide(MnO)	1344-43-0	21.7	8.4	
				Zinc oxide (ZnO)	1314-13-2	8.65	3.3	
				Calcium hydroxide Ca(OH) <sub>2</sub>	1305-62-0	0.05	0.02	
2	Wire	P180-G2	0.23	Copper (Cu)	7440-50-8	95	19.9	20.9
				Polyurethane resin	9009-54-5	5	1	
3	Case	WH9100-HM	0.3	DAP	25035-78-3	25	6.8	27.3
				Filler (ATH)	21645-51-2	45	12.3	
				Glass Fiber	N/A	30	8.2	
4	Terminal	Lead-free solder	0.01	Tin (Sn)	7440-31-5	96.5	0.9	0.94
				Silver (Ag)	7440-22-4	3	0.03	
				Copper (Cu)	7440-50-8	0.5	0.005	
5	Adhesive	6020H-2	0.035	Bis-phenol A type epoxy resin	25068-38-6	63	2.0	3.1
				Epoxide Thinning Agent	68609-97-2	3	0.09	
				Potential Hardener	693-98-1	5	0.15	
				Carbon black (C)	1333-86-4	3	0.09	
		Silica amorphous (SiO <sub>2</sub> )	7631-86-9	26	0.8			
9001A-87-QR	0.1	Bis-phenol A type epoxy resin	25068-38-6	63	5.7	9		

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				Epoxide Thinning Agent	68609-97-2	2	0.2	
				Carbon black (C)	1333-86-4	5	0.45	
				Hydrogen alumina Al (OH) <sub>3</sub>	21645-51-2	30	2.7	
		Total weight	1.10					

**This Document was updated on: 1-April-2009**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.