


# MATERIAL DECLARATION



Material Number	PM125SH-series			
Product Line	SHIELDED SMD POWER INDUCTOR			
Compliance Date	2009.07.01			
RoHS Compliant	YES	MSL	2	

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	2500	Iron oxide (Fe2O3)	1309-37-1	60	44.64	74.4
				Nickel oxide (NiO)	1313-99-1	10	7.44	
				Zinc oxide (ZnO)	1314-13-2	20	14.88	
				Copper oxide (CuO)	1317-38-0	10	7.44	
2	Winding Wire	2SFBW	400	Copper (Cu)	7440-50-8	95	11.3	11.9
				Polyester Resin	N/A	5	0.6	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	0.289	0.3
				Silver (Ag)	7440-22-4	3	0.009	
				Copper (Cu)	7440-50-8	0.5	0.002	
4	BASE	LCP-E4008	170	Aromatic polyester resin	6088-52-0	100	5	5
5	BASE Terminal Electrode	C5191/ Sn/ Ni	110	<b>Phosphor bronze</b>	N/A	90	3	3.3
				Tin (Sn)	7440-31-5	7	0.2	
				Nickel (Ni)	7440-02-0	3	0.1	
6	<b>TAPE</b>	<b>#560S</b>	50	<b>Nomex</b>	N/A	<b>100</b>	1.5	1.5
7	Adhesive	6020H-2	120	Bisphenol A Epoxy Resin	25068-38-6	63	2.3	3.6
				Alkyd glycidyl ether	68609-97-2	3	0.1	
				Methyl imidazole	693-98-1	5	0.2	
				Carbon black	1333-86-4	3	0.1	
				Silicon dioxide	7631-86-9	26	0.9	
		Total weight	3360					

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This Document was updated on:2009.07.01

**Important remarks:**

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