


# MATERIAL DECLARATION



Material Number	PM124SH-series			
Product Line	SHIELDED SMD POWER INDUCTOR			
Compliance Date	2009.06.30			
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	1500	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	60	38.1	63.5
				Nickel oxide (NiO)	1313-99-1	10	6.35	
				Zinc oxide (ZnO)	1314-13-2	20	12.7	
				Copper oxide(CuO)	1317-38-0	10	6.35	
2	Winding Wire	2SFBW	400	Copper (Cu)	7440-50-8	95	16.1	17
				Polyester Resin	N/A	5	0.9	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	0.386	0.4
				Silver (Ag)	7440-22-4	3	0.012	
				Copper (Cu)	7440-50-8	0.5	0.002	
4	BASE	LCP-E4008	200	Aromatic polyester resin	6088-52-0	100	8.5	8.5
5	BASE Terminal Electrode	C5191/ Sn/ Ni	30	<b>Phosphor bronze</b>	N/A	90	1.17	1.3
				Tin (Sn)	7440-31-5	7	0.09	
				Nickel (Ni)	7440-02-0	3	0.04	
6	<b>TAPE</b>	<b>35660</b>	100	<b>Polymer</b>	N/A	<b>100</b>	4.2	4.2
7	Adhesive	6020H-6-3	120	Bisphenol A Epoxy Resin	25068-38-6	63	3.213	5.1
				Alkyd glycidyl ether	68609-97-2	3	0.153	
				Methyl imidazole	693-98-1	5	0.255	
				Carbon black	1333-86-4	3	0.153	
				Silicon dioxide	7631-86-9	26	1.326	

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**BOURNS®**

Total weight	2360
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This Document was updated on: 2009.06.30

**Important remarks:**

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