


# MATERIAL DECLARATION



Material Number	PM5022S-series			
Product Line	SHIELDED SMD POWER INDUCTOR			
Compliance Date	2009.07.03			
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	2100	Iron oxide (Fe2O3)	1309-37-1	60	40.4	67.3
				Nickel oxide (NiO)	1313-99-1	10	6.7	
				Zinc oxide (ZnO)	1314-13-2	20	13.5	
				Copper oxide(CuO)	1317-38-0	10	6.7	
2	Winding Wire	2SFBW	600	Copper (Cu)	7440-50-8	95	18.2	19.2
				Polyester Resin	N/A	5	1	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	0.29	0.3
				Silver (Ag)	7440-22-4	3	0.009	
				Copper (Cu)	7440-50-8	0.5	0.001	
4	BASE	LCP-E4008	248	Aromatic polyester resin	6088-52-0	100	8	8
5	BASE Terminal Electrode	C5191/Sn/ Ni	62	Phosphor bronze	N/A	90	1.8	2
				Tin (Sn)	7440-31-5	7	0.14	
				Nickel (Ni)	7440-02-0	3	0.06	
6	Adhesive	6020H-6-3	100	Bisphenol A Epoxy Resin	25068-38-6	63	2.016	3.2
				Alkyd glycidyl ether	68609-97-2	3	0.096	
				Methyl imidazole	693-98-1	5	0.16	
				Carbon black	1333-86-4	3	0.096	
				Silicon dioxide	7631-86-9	26	0.832	
Total weight			3120					

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**BOURNS**<sup>®</sup>

This Document was updated on: 2009.07.03

**Important remarks:**

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