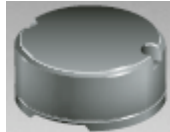


# MATERIAL DECLARATION



Material Number	PM105SB - series			
Product Line	SHIEDED SMD POWER INDUCTOR			
Compliance Date	2009.07.20			
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	920	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )	1309-37-1	60	43.2	72
				Nickel oxide (NiO)	1313-99-1	10	7.2	
				Zinc oxide (ZnO)	1314-13-2	20	14.4	
				Copper oxide(CuO)	1317-38-0	10	7.2	
2	Winding Wire	2-SFBW	253	Copper	7440-50-8	95	19	20
				Polyester Resin	N/A	5	1	
3	Solder	Lead free-solder	30	Tin (Sn)	7440-31-5	96.5	2.32	2.4
				Silver (Ag)	7440-22-4	3	0.07	
				Copper (Cu)	7440-50-8	0.5	0.01	
4	Terminal	PLATING METAL	10	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	GAP	PET	37	Polybutylene terephthalate	N/A	100	3	3
6	Adhesive	2089	20	DGEBA	25085-99-8	45	0.72	1.6
				Alkyl glycidyl ether	68609-97-2	3	0.05	
				Dicyanamide	461-58-5	3	0.05	
				Aluminum hydroxide	21645-51-2	45.5	0.72	
				Carbon black	1333-86-4	3	0.05	
				Imidazole	288-32-4	0.5	0.01	
Total weight			1270					

# MATERIAL DECLARATION

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**BOURNS®**

This Document was updated on: 2009.07.20

**Important remarks:**

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