


MATERIAL DECLARATION



Material Number	PM3316S-series			
Product Line	SHIELDED SMD POWER INDUCTOR			
Compliance Date	2010/5/28			
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	830	Iron oxide (Fe ₂ O ₃)	1309-37-1	60	39.6	66
				Nickel oxide (NiO)	1313-99-1	10	6.6	
				Zinc oxide (ZnO)	1314-13-2	20	13.2	
				Copper oxide(CuO)	1317-38-0	10	6.6	
2	Winding Wire	2SFBW	200	Copper (Cu)	7440-50-8	95	15.2	16
				Polyester Resin	N/A	5	0.8	
3	Solder	Lead free-solder	10	Tin (Sn)	7440-31-5	96.5	0.772	0.8
				Silver (Ag)	7440-22-4	3	0.024	
				Copper (Cu)	7440-50-8	0.5	0.004	
4	BASE	DAP WH9100	110	DAP	25035-78-3	25	3.45	8.7
				Aluminum hydroxide	21645-51-2	45	1.90	
				Glass Fiber	65997-17-3	30	2.90	
5	BASE Terminal Electrode	C5191	30	Copper (Cu)	7440-50-8	92.65	2.06	2.3
				Tin (Sn)	7440-31-5	7	0.16	
				Phosphor (P)	7723-14-0	0.35	0.08	
6	GAP	LCP-E4008	60	Aromatic polyester resin	6088-52-0	100	4.7	4.7
				Bisphenol A Epoxy Resin	25068-38-6	63	0.945	
				Alkyd glycidyl ether	68609-97-2	3	0.045	
				Methyl imidazole	693-98-1	5	0.075	

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				Carbon black	1333-86-4	3	0.045	
				Silicon dioxide	7631-86-9	26	0.39	
		Total weight	1260					

This Document was updated on: 5-28-2010

Important remarks:

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