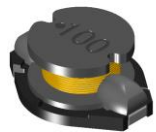


# MATERIAL DECLARATION



Material Number	PM3316 Series			
Product Line	SMD Power Inductor			
Compliance Date				
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ferrite Material	Ferrite Core	0.665	Iron oxide (Fe2O3)	1309-37-1	60.0	30.692	51.15
				Nickel oxide (NiO)	1313-99-1	10.0	5.115	
				Zinc oxide (ZnO)	1314-13-2	20.0	10.231	
				Cupric Oxide (CuO)	1317-38-0	10.0	5.115	
2	Winding Wire	Copper Wire	0.315	Copper(Cu)	7440-50-8	95.0	23.019	24.23
				Polyester Resin	109-16-0	5.0	1.212	
3	Base	DAP	0.140	DAP	25035-78-3	25.0	2.692	10.77
				Aluminum hydroxide	21645-51-2	45.0	4.846	
				Glass fiber	65997-17-3	30.0	3.231	
		Copper alloy	0.030	Copper (Cu)	7440-50-8	93.6	2.160	2.31
				Tin (Sn)	7440-31-5	6.2	0.143	
				Phosphorus(P)	7723-14-0	0.2	0.005	
Plating	0.010	Tin (Sn)	7440-31-5	80.0	0.615	0.77		
		Nickel (Ni)	7440-02-0	20.0	0.154			
4	Adhesive	Adhesive	0.020	Bisphenol A Epoxy Resin	25068-38-6	63.0	0.907	1.54
				2-Methylimidazole	693-98-1	10.0	0.154	
				Carbon Black	1333-86-4	5.0	0.077	
				Silicon Dioxide	7631-86-9	22.0	0.338	
6	Adhesive	Adhesive	0.050	Bisphenol A Epoxy Resin	25068-38-6	66.0	2.346	3.85
				2-Methylimidazole	693-98-1	10.0	0.385	
				Carbon Black	1333-86-4	4.0	0.154	
				Silicon Dioxide	7631-86-9	20.0	0.769	

# MATERIAL DECLARATION



7	Adhesive	Adhesive	0.050	reaction mixture of epichlorohydrin and bis-phenol A	25068-38-6	64.0	2.462	3.85
				Limestone	1317-65-3	32.0	1.231	
				Thermoplastic copolymer	75701-44-9	4.0	0.154	
8	Solder bar	Solder alloy	0.01	Tin (Sn)	7440-31-5	99.0	0.762	0.77
				Silver(Ag)	7440-22-4	0.5	0.004	
				Copper(Cu)	7440-50-8	0.5	0.004	
9	Solder wire	Solder alloy	0.010	Tin (Sn)	7440-31-5	97.0	0.746	0.77
				Copper (Cu)	7440-50-8	3.0	0.023	
		Total weight	<b>1.3</b>					

**This Document was updated on: 2015/07/02**

**Important remarks:**

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