


MATERIAL DECLARATION



Material Number	SDR2207-series			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.06.03			
RoHS Compliant	YES	MSL	1	

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	2500	Iron oxide (Fe ₂ O ₃)	1309-37-1	60	34.2	57
				Nickel oxide (NiO)	1313-99-1	10	5.7	
				Zinc oxide (ZnO)	1314-13-2	20	11.4	
				Copper oxide(CuO)	1317-38-0	10	5.7	
2	Winding Wire	2SFBW	1205	Copper (Cu)	7440-50-8	95	26.6	28
				Polyester Resin	N/A	5	1.4	
3	Solder	Lead free-solder	50	Tin (Sn)	7440-31-5	96.5	0.965	1
				Silver (Ag)	7440-22-4	3	0.03	
				Copper (Cu)	7440-50-8	0.5	0.005	
4	BASE	PM9630	550	Phenolic resin	9003-35-4	35	4.55	13
				Glass fiber	65997-17-3	50	6.5	
				Aluminum silicate	92704-41-1	7	0.91	
				Stearic acid	61790-38-3	4	0.52	
				Carbon black	1333-86-4	4	0.52	
5	Adhesive	6020H-2	45	Bisphenol A Epoxy Resin	25068-38-6	63	0.63	1
				Alkyl glycidyl ether	68609-97-2	3	0.03	
				Methyl imidazole	693-98-1	5	0.05	
				Carbon black	1333-86-4	3	0.03	
				Silicon dioxide	7631-86-9	26	0.26	
		Total weight	4350					

This Document was updated on: 11-1-2010

Important remarks:

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