


MATERIAL DECLARATION SHEET



Material Number	SDR1105 series			
Product Line	SMD POWER INDUCTOR			
Compliance Date	2009.06.18			
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	850	Iron oxide	1309-37-1	60	34.8	58
				Nickel oxide	1313-99-1	10	5.8	
				Zinc oxide	1314-13-2	20	11.6	
				Copper oxide	1317-38-0	10	5.8	
2	Winding Wire	2SFBW	450	Copper	7440-50-8	95	29.2	30.7
				Polyester Resin	68604-67-1	5	1.5	
3	Solder	Lead-free solder	10	Tin	7440-31-5	96.5	0.675	0.7
				Silver	7440-22-4	3	0.021	
				Copper	7440-50-8	0.5	0.004	
4	BASE	FR4	110	Glass	65997-17-3	53	3.97	7.5
				Epoxy resin	35948-25-5	45	3.38	
				Phosphorus	7723-14-0	1.2	0.09	
				Dicyanamide	461-58-5	0.8	0.06	
5	Terminal Electrode	Cu/Ni/Au	20	Copper	7440-50-8	70	0.98	1.4
				Nickel	7440-02-0	25	0.35	
				Gold	7440-57-5	5	0.07	
6	Adhesive	6020H-2	25	Bisphenol A Epoxy Resin	25068-38-6	66.3	1.1271	1.7
				Alkyd glycidyl ether resin	68609-97-2	3.2	0.0544	
				Carbon black	1333-86-4	3.2	0.0544	
				Silicon dioxide	7631-86-9	27.3	0.4641	
Total weight			1465					

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This Document was updated on: 2021-05-06

Important remarks:

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