


MATERIAL DECLARATION SHEET



Material Number	SM51589PEL			
Product Line	100/1000Base-T Transformer (PoE)			
Compliance Date	2014/7/18			
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	Core	Mn-Zn ferrite core	0.030	Iron oxide	1309-37-1	60.000	0.900	1.49
				Manganese oxide	1344-43-0	30.000	0.450	
				Zinc oxide	1314-13-2	10.000	0.150	
		NiZn ferrite core	0.005	Iron oxide	1309-37-1	50.000	0.120	0.25
				Nickel oxide	1313-99-1	35.000	0.090	
				Zinc oxide	1314-13-2	15.000	0.040	
2	Wire	Polyurethane/ Polyamide Enamelled Copper Wire	0.320	Copper	7440-50-8	89.000	14.180	15.94
				Polyurethane resin	9009-54-5	10.500	1.670	
				Polyamide resin	70024-79-2	0.500	0.080	
3	Case	Diallyl Phthalate (DAP) Molding Compound	1.174	DAP	25035-78-3	25.000	14.630	58.52
				Aluminum hydroxide	21645-51-2	50.000	29.260	
				Glass Fiber	65997-17-3	25.000	14.630	
4	Terminal PIN	Phosphor Bronze Alloys	0.176	Copper	7440-50-8	91.650	7.990	8.72
				Tin	7440-31-5	8.000	0.700	
				Phosphorus	7723-14-0	0.350	0.030	
5	Varnish	Varnish	0.180	Alkyd resin	63148-69-6	79.324	7.115	8.97
				Stearic acid	57-11-4	0.390	0.035	
				Melamine resin	9003-08-1	20.286	1.820	
6	Ink	Hot sclerosis type labeled text printing ink	0.003	Epoxy Resin	25085-99-8	52.63	0.074	0.14
				Barium Sulfate	7727-43-7	15.79	0.022	
				Titanium Dioxide	13463-67-7	31.58	0.044	
7	Solder	Sn96/Cu4	0.120	Tin	7440-31-5	96.000	5.740	5.97
				Copper	7440-50-8	4.000	0.240	
Total weight			2.008					

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