


MATERIAL DECLARATION SHEET



Material Number	SM13143EL			
Product Line	LAN Transformer			
Compliance Date	2021-4-7			
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	MnZn ferrite core	0.752	Iron oxide	1309-37-1	55	13.70	24.90
				Zinc oxide	1314-13-2	25	6.23	
				Manganese oxide	1344-43-0	20	4.98	
		NiZn ferrite core	0.224	Iron oxide	1309-37-1	50	3.71	7.42
				Zinc oxide	1314-13-2	15	1.11	
				Nickel oxide	1313-99-1	35	2.60	
2	Wire	Enamelled Copper Wire	0.10175	Copper	7440-50-8	87.5	2.95	3.37
				Polyurethane resin	9009-54-5	11.9	0.40	
				Polyamide resin	32131-17-2	0.6	0.02	
3	Case	Diallyl Phthalate (DAP) Molding Compound	1.33	DAP resin	25035-78-3	25	11.01	44.04
				Aluminum Trihydroxide	21645-51-2	45	19.82	
				Glass Fibe	65997-17-3	30	13.21	
4	Terminal PIN	Phosphor Bronze Alloys	0.18	Copper	7440-50-8	91.54	5.46	5.96
				Zinc	7440-66-6	0.2	0.01	
				Phosphorus	7723-14-0	0.16	0.01	
				Iron	8053-60-9	0.1	0.01	
				Tin	7440-31-5	8	0.48	
5	Varnish	Varnish	0.2625	Alkyd resin	63148-69-6	87.5	7.60	8.69
				Amino resin	9003-08-1	8.75	0.76	
				Siloxanes and Silicones	67762-85-0	3.75	0.33	
8	Pin Solder	Sn100	0.0305	Tin	7440-31-5	100	1.01	1.01
9	Inner Pin Solder	Sn96/Cu4	0.1390	Tin	7440-31-5	96	4.42	4.60
				Copper	7440-50-8	4	0.18	
			Total weight	3.01975				

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