


# MATERIAL DECLARATION SHEET



Material Number	SM51589PEL			
Product Line	LAN Transformer			
Compliance Date	2023-9-25			
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.	Construction Element (subpart)
1	Core	MnZn ferrite core	0.2913	Iron oxide	1309-37-1	55	8.89	16.16
				Zinc oxide	1314-13-2	25	4.04	
				Manganese oxide	1344-43-0	20	3.23	
		NiZn ferrite core	0.1432	Iron oxide	1309-37-1	50	3.97	7.94
				Zinc oxide	1314-13-2	15	1.19	
				Nickel oxide	1313-99-1	35	2.78	
2	Wire	Enameled Copper Wire	0.0914	Copper	7440-50-8	87.5	4.44	5.07
				Polyurethane resin	9009-54-5	11.9	0.60	
				Polyamide resin	32131-17-2	0.6	0.03	
3	Case	DiallylPhthalate (DAP) Molding Compound	0.78	DAP resin	25035-78-3	25	10.81	43.26
				Aluminum Trihydroxide	21645-51-2	45	19.47	
				Glass Fiber	65997-17-3	30	12.98	
4	Terminal PIN	Phosphor Bronze Alloys	0.056	Copper	7440-50-8	91.54	2.85	3.11
				Zinc	7440-66-6	0.2	0.01	
				Phosphorus	7723-14-0	0.16	0.00	
				Iron	8053-60-9	0.1	0.00	
				Tin	7440-31-5	8	0.25	
5	Glue	Silicone	0.34	Dimethyl methylphenylmethoxy siloxane	68952-93-2	87.5	16.50	18.86
				Methyltrimethoxysilane	1185-55-3	11.25	2.12	
				Tetrabutyl titanate	5593-70-4	1.25	0.24	

# MATERIAL DECLARATION SHEET



6	Pin Solder	Sn100	0.021	Tin	7440-31-5	100	1.16	1.16
7	Inner Pin Solder	Sn96/Cu4	0.08	Tin	7440-31-5	96	4.26	4.44
				Copper	7440-50-8	4	0.18	
		Total weight	1.8029					

This Document was updated on: 2023-9-25