


# MATERIAL DECLARATION SHEET



Material Number	SM91078L			
Product Line	LAN Transformers			
Compliance Date	2022-7-05			
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	0.6232	Iron oxide	1309-37-1	52.9	6.8772	13.00
				Zinc oxide	1314-13-2	13.6	1.7681	
				Manganese oxide	1317-35-7	32.3	4.1991	
				Coating	1633-22-3	1.2	0.1560	
		NiZn ferrite core	0.3068	Iron oxide	1309-37-1	52.6	3.3664	6.40
				Zinc oxide	1314-13-2	11	0.7040	
				Nckel oxide	1313-99-1	33.5	2.1440	
				Copper oxide	1317-38-0	2.2	0.1408	
		Coating	1633-22-3	0.7	0.0448			
2	TIW Wire	Copper Wire	0.3536	Copper	7440-50-8	68.05	5.0196	7.38
				PFA	26655-00-5	31	2.2867	
				Coating polymer	9017-09-8	0.95	0.0701	
3	Case	Diallyl Phthalate (DAP) Molding Compound	2.2605	DAP resin	25035-78-3	25	11.7889	47.16
				Aluminum Trihydroxide	21645-51-2	45	21.2200	
				Glass Fiber	65997-17-3	30	14.1467	

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4	Terminal PIN	Phosphor Bronze Alloy	0.0713	Copper	7440-31-5	99.72	1.4824	1.49
				Phosphorus	7723-14-0	0.28	0.0042	
		Tin plating	0.0044	Tin	7440-50-8	100	0.0920	0.09
		Nickel plating	0.0013	Nickel	7440-02-0	100	0.0276	0.03
5	Silicone Rubber	WR7155A	0.5778	Vinyl Polysiloxane	68083-19-2	50	6.0265	12.05
				Silicon dioxide	14808-60-7	42.75	5.1527	
				Carbon black	1333-86-4	7.25	0.8738	
		WR7155B	0.5778	Vinyl Polysiloxane	68083-19-2	32	3.857	12.05
				Silicon dioxide	14808-60-7	53	6.388	
				Methylhydrosiloxane	63148-57-2	15	1.808	
6	Solder bar	Sn/Ag/Cu	0.017	Tin	7440-31-5	96.5	0.3422	0.35
				Silver	7440-22-4	3	0.0106	
				Copper	7440-50-8	0.5	0.0018	
		Total weight	4.7937					

**This Document was updated on: 2021-07-05**

**Important remarks:**

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