

MATERIAL DECLARATION SHEET



Material Number	SM91602L		
Product Line	LAN Transformers		
Compliance Date	2021-9-23		
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	1.7212	Iron oxide	1309-37-1	68.74	14.9815	21.795
				Zinc oxide	1314-13-2	14.73	3.2103	
				Manganese oxide	1317-35-7	14.73	3.2103	
				Coating	1633-22-3	1.8	0.3923	
		NiZn ferrite core	0.6152	Iron oxide	1309-37-1	52.6	4.0975	7.790
				Zinc oxide	1314-13-2	11	0.8569	
				Nickel oxide	1313-99-1	33.5	2.6096	
				Copper oxide	1317-38-0	2.2	0.1714	
				Coating	1633-22-3	0.7	0.0545	
2	TIW Wire	Copper Wire	0.6644	Copper	7440-50-8	68.05	5.7250	8.413
				PFA	26655-00-5	31	2.6080	
				Polymer	9017-09-8	0.95	0.0799	
3	Case	Diallyl Phthalate (DAP) Molding Compound	2.7686	DAP resin	25035-78-3	25	8.7643	35.057
				Aluminum Trihydroxide	21645-51-2	45	15.7757	
				Glass Fiber	65997-17-3	30	10.5171	

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4	Terminal PIN	Phosphor Bronze Alloy	0.7330	Copper	7440-31-5	99.72	9.2555	9.2815
				Phosphorus	7723-14-0	0.28	0.0260	
		Tin plating	0.0454	Tin	7440-50-8	100	0.5746	0.5746
		Nickel plating	0.0136	Nickel	7440-02-0	100	0.1725	0.1725
5	Silicone Rubber	WR7155A	0.6475	Vinyl Polysiloxane	68083-19-2	50	4.0995	8.199
				Silicon dioxide	14808-60-7	42.5	3.4845	
				Carbon black	1333-86-4	7.5	0.6149	
		WR7155B	0.6475	Vinyl Polysiloxane	68083-19-2	32.0	2.6237	8.199
				Silicon dioxide	14808-60-7	53	4.3456	
				Siloxanes & Silicones, Me hydrogen	63148-57-2	15	1.2299	
6	Solder bar	Sn/Ag/Cu	0.041	Tin	7440-31-5	96.5	0.5010	0.519
				Silver	7440-22-4	3	0.0156	
				Copper	7440-50-8	0.5	0.0026	
		Total weight	7.897					

This Document was updated on: 2021-9-23

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Silicone rubber does not contain D4, D5 or D6 above threshold of 0.1%.