


MATERIAL DECLARATION SHEET



Material Number	SM91519L			
Product Line	Signal Transformers			
Compliance Date	2021-05-06			
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	0.25	Iron oxide	1309-37-1	52.9	4.3791	8.278
				Zinc oxide	1314-13-2	13.6	1.1258	
				Manganese oxide	1317-35-7	32.3	2.6738	
				Coating	1633-22-3	1.2	0.0993	
		NiZn ferrite core	0.07	Iron oxide	1309-37-1	52.6	1.2192	2.318
				Zinc oxide	1314-13-2	11	0.2550	
				Nickel oxide	1313-99-1	33.5	0.7765	
				Copper oxide	1317-38-0	2.2	0.0510	
2	FIW Wire	Copper	0.04	Copper	7440-50-8	75.3	0.9974	1.325
		Polyurethane resin		Polyurethane resin	9009-54-5	24.7	0.3272	
3	TIW Wire	Copper Wire	0.09	Copper	7440-50-8	68.05	2.0280	2.980
				PFA	26655-00-5	31	0.9238	
				Paint	9017-09-8	0.95	0.0283	
4	Case	DiallylPhthalate (DAP) Molding Compound	1.75	DAP resin	25035-78-3	25	14.4868	57.947
				Aluminum Trihydroxide	21645-51-2	45	26.0762	
				Glass Fiber	65997-17-3	30	17.3841	

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5	Terminal PIN	Phosphor Bronze Alloys	0.09255	Copper	7440-50-8	99.72	3.0560	3.065
				Phosphorus	7723-14-0	0.28	0.0086	
		Tin plating	0.00573	Tin	7440-31-5	100	0.1897	0.190
		Nickel plating	0.00172	Nickel	7440-02-0	100	0.0570	0.057
6	Silicone Rubber	WR7155A	0.35	Vinyl Polysiloxane	68083-19-2	50	5.7947	11.589
				Silicon dioxide	14808-60-7	42.5	4.9255	
				Carbon black	1333-86-4	7.24	0.8402	
				D4	556-67-2	<0.1	<0.01	
				D5	541-02-6	<0.1	<0.01	
				D6	540-97-6	<0.1	<0.01	
7	Silicone Rubber	WR7155B	0.35	Vinyl Polysiloxane	68083-19-2	31.8	3.6854	11.589
				Reinforcing filler	14808-60-7	53	6.1424	
				Tmethylhydro-siloxane	63148-57-2	15	1.7384	
				D4	556-67-2	<0.1	<0.01	
				D5	541-02-6	<0.1	<0.01	
				D6	540-97-6	<0.1	<0.01	
8	Solder bar	SAC305	0.02	Tin	7440-31-5	96.5	0.6391	0.662
				Silver	7440-22-4	3	0.0199	
				Copper	7440-50-8	0.5	0.0033	
		Total weight	3.02					

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Important remarks:

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