


MATERIAL DECLARATION SHEET



Material Number	SM91527L			
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	4.3719	8.265
				Zinc oxide	1314-13-2	13.6	1.1240	
				Manganese oxide	1317-35-7	32.3	2.6694	
				Coating	1633-22-3	1.2	0.0992	
		NiZn ferrite core	0.07	Iron oxide	1309-37-1	52.6	1.2172	2.314
				Zinc oxide	1314-13-2	11	0.2545	
				Nickel oxide	1313-99-1	33.5	0.7752	
				Copper oxide	1317-38-0	2.2	0.0509	
				Coating	1633-22-3	0.7	0.0162	
		2	FIW Wire	Copper	0.04	Copper	7440-50-8	75.3
Polyurethane	Polyurethane resin			9009-54-5		24.7	0.3266	
3	TIW Wire	Copper Wire	0.09	Copper	7440-50-8	68.05	2.0280	2.975
				PFA	26655-00-5	31	0.9238	
				Paint	9017-09-8	0.95	0.0283	

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4	Case	Diallyl Phthalate (DAP) Molding Compound	1.75	DAP resin	25035-78-3	25	14.4628	57.851
				Aluminum Trihydroxide	21645-51-2	45	26.0331	
				Glass Fiber	65997-17-3	30	17.3554	
5	Terminal PIN	Phosphor Bronze Alloys	0.09255	Copper	7440-50-8	99.72	3.0510	3.060
				Phosphorus	7723-14-0	0.28	0.0086	
		Tin plating	0.00573	Tin	7440-31-5	100	0.1894	0.189
		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	5.7851	11.570
				Silicon dioxide	14808-60-7	42.5	4.9174	
				Carbon black	1333-86-4	7.25	0.8388	
				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	3.6793	11.570
				Methylhydro-siloxane	63148-57-2	15	1.735	
				Silicon dioxide	14808-60-7	53	6.1322	
				D4	556-67-2	<0.1	<0.01	
				D5	541-02-6	<0.1	<0.01	
				D6	540-97-6	<0.1	<0.01	

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8	Insulation Plate	NOMEX-410	0.005	N,N-Dimethylacetamide	127-19-5	0.4	0.0007	0.165
				1,3-Benzenedicarbonyl dichloride, polymer with 1,3-benzenediamine	25765-47-3	99.6	0.1644	
9	Solder bar	SAC305	0.02	Tin	7440-31-5	96.5	0.6391	0.662
				Silver	7440-22-4	3	0.019	
				Copper	7440-50-8	0.5	0.0033	
		Total weight	3.025					

This Document was updated on: 2021-05-06

Important remarks:

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