


MATERIAL DECLARATION SHEET



Material Number	SM91076L			
Product Line	Signal Transformer			
Compliance Date	2023-10-17			
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	Mn-Zn ferrite	0.1584	Ferric oxide	1309-37-1	68.8	9.4926	13.7974
				Zinc oxide	1314-13-2	14.4	1.9868	
				Trimanganese tetraoxide	1313-35-7	14.4	1.9868	
				[2.2]Paracyclophane	1633-22-3	2.4	0.3311	
		Ni-Zn ferrite	0.0924	Ferric oxide	1309-37-1	66.43	5.3466	8.0485
				Nickelous oxide	1313-99-1	12.16	0.9787	
				Zinc oxide	1314-13-2	20.26	1.6306	
				[2.2]Paracyclophane	1633-22-3	1.15	0.0926	
2	Wire	Enamelled wire	0.0807	Copper	7440-50-8	87.93	6.1809	7.0294
				Modified polyurethane	Proprietary	11.47	0.8063	
				Polyamide	Proprietary	0.6	0.0422	
3	Case	DiallylPhthalate Molding Compound	0.35184	DAP resin	25035-78-3	25	7.6618	30.6470
				Aluminum Trihydroxide	21645-51-2	45	13.7912	
				Glass Fiber	65997-17-3	30	9.1941	
4	Terminal PIN	Phosphor Bronze Alloys	0.00485	Copper	7440-50-8	93.45	0.3948	0.4225
				Tin	7440-31-5	6.25	0.0264	
				Phosphorus	7723-14-0	0.2	0.0008	
				Iron	7439-89-6	0.1	0.0004	

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		Nickel plating	0.00139	Nickel	7440-02-0	100	0.1211	0.1211
		Tin plating	0.07476	Tin	7440-31-5	100	6.5120	6.5120
5	Glue	Silicon resin	0.0286	Poly(dimethylsiloxane)	9016-00-6	100	2.4912	2.4912
6	Solder	Tin-silver-cooper alloy	0.0103	Tin	7440-31-5	96.5	0.8658	0.8972
				Silver	7440-22-4	3	0.0269	
				Copper	7440-50-8	0.5	0.0045	
7	Shield	Stainless steel	0.3448	Carbon	7440-44-0	0.08	0.0240	30.0338
				Silicon	7440-21-3	0.75	0.2253	
				Nickel	7440-02-0	9.25	2.7781	
				Manganese	7439-96-5	2	0.6007	
				Phosphorus	7723-14-0	0.045	0.0135	
				Sulfur	7704-34-9	0.03	0.0090	
				Chromium	7440-47-3	19	5.7064	
				Iron	7439-89-6	68.845	20.6768	
		Total weight	1.15					

This Document was updated on: 2023-10-17

Important remarks:

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