

MATERIAL DECLARATION SHEET



Material Number	SM91502ALA			
Product Line	Signal Transformer			
Compliance Date	2026-02-11			
RoHS Compliant	YES	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Compositions\Substances	CASRN (if applicable)	Composition Mass %	Composition Mass % of total unit wt.	Material mass of total wt. (%)			
1	Core(TA)	Mn-Zn Ferrite Magnet	0.0567	Ferric oxide	1309-37-1	53.5	8.0038	14.9604			
				Zinc oxide	1314-13-2	13.8	2.0645				
				Manganese oxide	1317-35-7	32.7	4.8920				
	Core(TB)	Ni-Zn Ferrite Magnet	0.0437	[2.2]Paracyclophane	1633-22-3	100	0.1818	0.1818			
				Ferric oxide	1309-37-1	53	6.1111	11.5303			
				Zinc oxide	1314-13-2	11.1	1.2799				
				Nickelous oxide	1313-99-1	33.7	3.8857				
2	Red enamelled wire	Copper	0.007313	Copper	7440-50-8	100	1.9295	1.9295			
				Lacquer PUR	0.001236	Polyurethane	9009-54-5	99	0.3229	0.3261	
						Red dye	Proprietary	1	0.0033		
	Green enamelled wire	Copper	0.007313	0.000052	Nylon 6/6	32131-17-2	100	0.0137	0.0137		
					Lacquer PUR	0.001236	Copper	7440-50-8	100	1.9295	1.9295
							Polyurethane	9009-54-5	99	0.3229	0.3261
							Green dye	Proprietary	1	0.0033	
Lacquer PA	0.000052	Nylon 6/6	32131-17-2	100	0.0137	0.0137					

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	Blue enamelled wire	Copper	0.007313	Copper	7440-50-8	100	1.9295	1.9295
		Lacquer PUR	0.001236	Polyurethane	9009-54-5	99	0.3229	0.3261
				Blue dye	Proprietary	1	0.0033	
	Lacquer PA	0.000052	Nylon 6/6	32131-17-2	100	0.0137	0.0137	
	Nature enamelled wire	Copper	0.007313	Copper	7440-50-8	100	1.9295	1.9295
		Lacquer PUR	0.001236	Polyurethane	9009-54-5	100	0.3261	0.3261
Lacquer PA		0.000052	Nylon 6/6	32131-17-2	100	0.0137	0.0137	
3	Case	Plastics PDAP (Filled)	0.1923	DAP resin	25035-78-3	25	12.6847	50.7387
				Aluminum Trihydroxide	21645-51-2	45	22.8324	
				Glass Fiber	65997-17-3	30	15.2216	
4	Terminal PIN	Copper Alloy C5191	0.024	Copper	7440-50-8	93.45	5.9177	6.3324
				Tin	7440-31-5	6.25	0.3958	
				Phosphorus	7723-14-0	0.2	0.0127	
				Iron	7439-89-6	0.1	0.0063	
		Electrolytic Nickel Plating	0.0005	Nickel	7440-02-0	100	0.1319	0.1319
		Electrolytic Tin Plating	0.0015	Tin	7440-31-5	100	0.3958	0.3958
5	Coating	Lacquer SI	0.0191	Poly(dimethylsiloxane)	9016-00-6	100	5.0396	5.0396
6	Solder	Solder A30C5	0.0058	Tin	7440-31-5	96.5	1.4768	1.5303
				Silver	7440-22-4	3	0.0459	
				Copper	7440-50-8	0.5	0.0077	
		Total weight	0.379					

This Document was updated on: 2026-02-11

Important remarks:

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