


# MATERIAL DECLARATION SHEET



Material Number	SM91502ALA			
Product Line	Signal Transformer			
Compliance Date	2024-03-14			
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	0.0567	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		
		Parylene coating(Mn-Zn ferrite)	0.000689	[2.2]Paracyclophane		1633-22-3	100	0.1818	0.1818
				Ni-Zn ferrite	0.0437	Ferric oxide	1309-37-1	53	6.1111
		Zinc oxide	1314-13-2			11.1	1.2799		
		Nickelous oxide	1313-99-1			33.7	3.8857		
		Parylene coating(Ni-Zn ferrite)	0.000308	[2.2]Paracyclophane		1633-22-3	100	0.0813	0.0813
Red enamelled wire	0.007313			Copper	7440-50-8	100	1.9295	1.9295	
		PUR(Red)	0.001236	Polyurethane	9009-54-5	99	0.3229	0.3261	
				Solvent Red 122	12227-55-3	1	0.0033		
2	PA	0.000052	Nylon 6/6		32131-17-2	100	0.0137	0.0137	
			Green enamelled wire	0.007313	Copper	7440-50-8	100	1.9295	1.9295
					PUR(Green)	0.001236	Polyurethane	9009-54-5	99

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				Copper phthalocyanine	147-14-8	0.5	0.0016		
				N-[2-(2-Hydroxyethoxy)ethyl]dodecanamide	26635-75-6	0.5	0.0016		
	Blue enamelled wire	PA	0.000052		Nylon 6/6	32131-17-2	100	0.0137	0.0137
					Copper	0.007313		Copper	7440-50-8
		PUR(Blue)	0.001236		Polyurethane	9009-54-5	99	0.3229	0.3261
					Solvent Blue 35	17354-14-2	1	0.0033	
	Nature enamelled wire	PA	0.000052		Nylon 6/6	32131-17-2	100	0.0137	0.0137
		Copper	0.007313		Copper	7440-50-8	100	1.9295	1.9295
		PUR(Nature)	0.001236		Polyurethane	9009-54-5	100	0.3261	0.3261
	3	Case	Diallyl phthalate molding compound	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	Phosphor Bronze Alloys	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		
		Nickel plating	0.0005		Nickel	7440-02-0	100	0.1319	0.1319
	Tin plating	0.0015		Tin	7440-31-5	100	0.3958	0.3958	
5	Glue	Silicon resin	0.0191	Poly(dimethylsiloxane)	9016-00-6	100	5.0396	5.0396	
6	Solder	Tin-silver-copper alloy	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: 2024-03-14

**Important remarks:**

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