


# MATERIAL DECLARATION SHEET



Material Number	<b>SM91072AL</b>			
Product Line	<b>Signal Transformer</b>			
Compliance Date	<b>2024-7-10</b>			
RoHS Compliant	<b>YES</b>	MSL	<b>1</b>	

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	Mn-Zn ferrite	0.1443	Ferric oxide	1309-37-1	70.5	13.9549	19.7942	
				Zinc oxide	1314-13-2	14.75	2.9197		
				Trimanganese tetraoxide	1317-35-7	14.75	2.9197		
		Parylene coating (Mn-Zn ferrite)	0.0035	[2.2]Paracyclophane		1633-22-3	100	0.4801	0.4801
				Ni-Zn ferrite	0.0451	Ferric oxide	1309-37-1	65.5	4.0522
		Zinc oxide	1314-13-2			19.8	1.2249		
		Nickelous oxide	1313-99-1			9.8	0.6063		
		Parylene coating (Ni-Zn ferrite)	0.0011	[2.2]Paracyclophane		1633-22-3	100	0.1509	0.1509
Red enamelled wire	Copper			0.0126	Copper	7440-50-8	100	1.7284	1.7284
		PUR(Red)	0.0021		High temperature polyurethane	1423172-07-9	99	0.2852	0.2881
					Red dye	12227-55-3	1	0.0029	
		PA	0.0001		Nylon 6/6	32131-17-2	100	0.0137	0.0137
Copper	0.0126	Copper	7440-50-8	100	1.7284	1.7284			

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	Green enamelled wire	PUR(Green)	0.0021	High temperature polyurethane	1423172-07-9	99	0.2852	0.2881
				Green dye	147-14-8	1	0.0029	
		PA	0.0001	Nylon 6/6	32131-17-2	100	0.0137	0.0137
	Blue enamelled wire	Copper	0.0126	Copper	7440-50-8	100	1.7284	1.7284
				PUR(Blue)	0.0021	High temperature polyurethane	1423172-07-9	99
		Blue dye	17354-14-2	1	0.0029			
		PA	0.0001	Nylon 6/6	32131-17-2	100	0.0137	0.0137
	Nature enamelled wire	Copper	0.0126	Copper	7440-50-8	100	1.7284	1.7284
				PUR(Nature)	0.0021	High temperature polyurethane	1423172-07-9	100
PA		0.0001	Nylon 6/6	32131-17-2	100	0.0137	0.0137	
3	Case	DAP-GF30	0.355	DAP resin	25035-78-3	25	12.1742	48.6968
				Aluminum Trihydroxide	21645-51-2	45	21.9136	
				Glass Fiber	65997-17-3	30	14.6091	
4	Terminal PIN	Phosphor Bronze Alloys	0.075	Copper	7440-50-8	93.45	9.6142	10.2881
				Tin	7440-31-5	6.25	0.6430	
				Phosphorus	7723-14-0	0.2	0.0206	
				Iron	7439-89-6	0.1	0.0103	
		Nickel plating	0.0014	Nickel	7440-02-0	100	0.1920	0.1920
Tin plating	0.0046	Tin	7440-31-5	100	0.6310	0.6310		
5	Glue	Silicon resin	0.0295	Poly(dimethylsiloxane)	9016-00-6	100	4.0466	4.0466
6	Solder	Tin-silver-copper alloy	0.0103	Tin	7440-31-5	96.5	1.3634	1.4129
				Silver	7440-22-4	3	0.0424	
				Copper	7440-50-8	0.5	0.0071	

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**BOURNS®**

Total weight	0.729
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**This Document was updated on: 2024-7-10**

**Important remarks:**

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