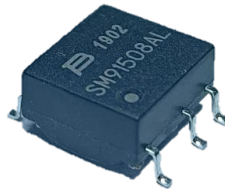


MATERIAL DECLARATION SHEET



Material Number	SM91508AL			
Product Line	Signal Transformer			
Compliance Date	2025-12-05			
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	0.076	Ferric oxide	1309-37-1	70	13.5818	19.4026
				Zinc oxide	1314-13-2	15	2.9104	
				Manganese oxide	1317-35-7	15	2.9104	
		Coating (Parylene)	0.0009	Dichlorodi-p-xylylene	28804-46-8	100	0.2298	0.2298
	Core(TB)	Ni-Zn Ferrite Magnet	0.0427	Ferric oxide	1309-37-1	53	5.7776	10.9012
				Zinc oxide	1314-13-2	11.1	1.2100	
				Nickelous oxide	1313-99-1	33.7	3.6737	
		Coating (Parylene)	0.001	Cupric oxide	1317-38-0	2.2	0.2398	0.2553
				[2.2]Paracyclophane	1633-22-3	100	0.2553	
2	Red enamelled wire	Copper	0.0084	Copper	7440-50-8	100	2.1445	2.1445
		PUR	0.0014	Polyurethane	9009-54-5	99	0.3538	0.3574
				Red dye	Proprietary	1	0.0036	
		PA	0.0001	Nylon 6/6	32131-17-2	100	0.0255	0.0255
	Green enamelled wire	Copper	0.0084	Copper	7440-50-8	100	2.1445	2.1445
		PUR	0.0014	Polyurethane	9009-54-5	99	0.3538	0.3574
				Green dye	Proprietary	1	0.0036	
		PA	0.0001	Nylon 6/6	32131-17-2	100	0.0255	0.0255
	Blue enamelled wire	Copper	0.0084	Copper	7440-50-8	100	2.1445	2.1445
		PUR	0.0014	Polyurethane	9009-54-5	99	0.3538	0.3574
				Blue dye	Proprietary	1	0.0036	

MATERIAL DECLARATION SHEET



	Nature enamelled wire	PA	0.0001	Nylon 6/6	32131-17-2	100	0.0255	0.0255
		Copper	0.0084	Copper	7440-50-8	100	2.1445	2.1445
		PUR	0.0014	Polyurethane	9009-54-5	100	0.3574	0.3574
		PA	0.0001	Nylon 6/6	32131-17-2	100	0.0255	0.0255
3	Case	Plastics PDAP (Filled)	0.1806	DAP resin	25035-78-3	25	11.5267	46.1067
				Aluminum Trihydroxide	21645-51-2	45	20.7480	
				Glass Fiber	65997-17-3	30	13.8320	
4	Terminal PIN	Copper Alloy C5191	0.024	Copper	7440-50-8	93.45	5.7258	6.1271
				Tin	7440-31-5	6.25	0.3829	
				Phosphorus	7723-14-0	0.2	0.0123	
				Iron	7439-89-6	0.1	0.0061	
		Electrolytic Nickel Plating	0.0005	Nickel	7440-02-0	100	0.1276	0.1276
		Electrolytic Tin Plating	0.0015	Tin	7440-31-5	100	0.3829	0.3829
5	Adhesive	Adhesive SI	0.0191	Poly(dimethylsiloxane)	9016-00-6	100	4.8762	4.8762
6	Solder	Solder A30C5	0.0058	Tin	7440-31-5	96.5	1.4289	1.4807
				Silver	7440-22-4	3	0.0444	
				Copper	7440-50-8	0.5	0.0074	
		Total weight	0.392					

This Document was updated on: 2025-12-05

Important remarks:

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