

MATERIAL DECLARATION SHEET



Material Number	SM91523AL			
Product Line	Signal Transformers			
Compliance Date	2025-05-06			
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	Mn-Zn ferrite	0.1966	Ferric oxide	1309-37-1	53.5	3.5134	6.5672
				Zinc oxide	1314-13-2	13.8	0.9063	
				Trimanganese tetraoxide	1317-35-7	32.7	2.1475	
		Parylene coating(Mn-Zn ferrite)	0.0024	[2.2]Paracyclophane	1633-22-3	100	0.0802	0.0802
		Ni-Zn ferrite	0.1531	Ferric oxide	1309-37-1	53	2.7105	5.1141
				Nickelous oxide	1313-99-1	33.7	1.7235	
				Zinc oxide	1314-13-2	11.1	0.5677	
				Cupric oxide	1317-38-0	2.2	0.1125	
		Parylene coating(Ni-Zn ferrite)	0.0011	[2.2]Paracyclophane	1633-22-3	100	0.0367	0.0367
2	Red insulated wire	Copper	0.02576	Copper	7440-50-8	100	0.8605	0.8605
		PUR	0.00109	Polyurethane	9017-09-8	100	0.0364	0.0364
		PFA(Red)	0.02629	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.8694	0.8782
				Yellow masterbatch	Proprietary	1	0.0088	
	Blue insulated wire	Copper	0.02576	Copper	7440-50-8	100	0.8605	0.8605
		PUR	0.00109	Polyurethane	9017-09-8	100	0.0364	0.0364
		PFA(Blue)	0.02629	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.8694	0.8782

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				Yellow masterbatch	Proprietary	1	0.0088	
	Yellow insulated wire	Copper	0.01372	Copper	7440-50-8	100	0.4583	0.4583
		PUR	0.00058	Polyurethane	9017-09-8	100	0.0194	0.0194
		PFA(Yellow)	0.014	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.4630	0.4677
				Yellow masterbatch	Proprietary	1	0.0047	
	Green insulated wire	Copper	0.01372	Copper	7440-50-8	100	0.4583	0.4583
		PUR	0.00058	Polyurethane	9017-09-8	100	0.0194	0.0194
		PFA(Green)	0.014	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.4630	0.4677
				Blue masterbatch	Proprietary	1	0.0047	
	4	Case	DAP-GF30	1.9456	DAP resin	25035-78-3	25	16.2476
Aluminum Trihydroxide					21645-51-2	45	29.2456	
Glass Fiber					65997-17-3	30	19.4971	
5	Terminal PIN	Phosphor bronze alloys	0.0592	Copper	7440-50-8	93.45	1.8480	1.9775
				Tin	7440-31-5	6.25	0.1236	
				Phosphorus	7723-14-0	0.2	0.0040	
				Iron	7439-89-6	0.1	0.0020	
		Nickel plating	0.0011	Nickel	7440-02-0	100	0.0367	0.0367
		Tin plating	0.0037	Tin	7440-31-5	100	0.1236	0.1236
6	Adhesive	Silicone Rubber	0.448	Silicone Rubber	63394-02-5	55	8.2307	14.9649
				Silicon Dioxide	14808-60-7	44	6.5845	
				Carbon Black	1333-86-4	1	0.1496	
7	Soder	Tin-silver-cooper alloy	0.02	Tin	7440-31-5	96.5	0.6447	0.6681
				Silver	7440-22-4	3	0.0200	
				Copper	7440-50-8	0.5	0.0033	
		Total weight	2.99					

This Document was updated on: 2025-05-06.

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Important remarks:

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