

MATERIAL DECLARATION SHEET



Material Number	SM91543AL			
Product Line	Signal Transformers			
Compliance Date	2024-2-22			
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	0.2504	Ferric oxide	1309-37-1	53.5	4.2131	7.8750
				Zinc oxide	1314-13-2	13.8	1.0867	
				Trimanganese tetraoxide	1317-35-7	32.7	2.5751	
		Parylene coating(For Mn-Zn core)	0.003	[2.2]Paracyclophane	1633-22-3	100	0.0943	0.0943
		Ni-Zn ferrite	0.0677	Ferric oxide	1309-37-1	53	1.1284	2.1291
				Zinc oxide	1314-13-2	11.1	0.2363	
				Nickelous oxide	1313-99-1	33.7	0.7175	
				Cupric oxide	1317-38-0	2.2	0.0468	
		Parylene coating(For Ni-Zn core)	0.0005	[2.2]Paracyclophane	1633-22-3	100	0.0157	0.0157
2	Insulated wire	Copper	0.0753	Copper	7440-50-8	100	2.3681	2.3681
		PUR+PFA(Yellow)	0.028	Polyurethane	9017-09-8	4.0	0.0352	0.8806
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	95.0	0.8366	
				Yellow masterbatch	Proprietary	1.0	0.0088	
		PUR+PFA(Green)	0.028	Polyurethane	9017-09-8	4.0	0.0352	0.8806
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	95.0	0.8366	
				Green masterbatch	Proprietary	1.0	0.0088	

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		PUR+PFA(Blue)	0.028	Polyurethane	9017-09-8	4.0	0.0352	0.8806
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	95.0	0.8366	
				Blue masterbatch	Proprietary	1.0	0.0088	
		PUR+PFA(Red)	0.028	Polyurethane	9017-09-8	4.0	0.0352	0.8806
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	95.0	0.8366	
				Red masterbatch	Proprietary	1.0	0.0088	
4	Case	DAP-GF30	1.8718	DAP resin	25035-78-3	25	14.7168	58.8672
				Aluminum Trihydroxide	21645-51-2	45	26.4902	
				Glass Fiber	65997-17-3	30	17.6602	
5	Terminal PIN	Phosphor Bronze Alloys	0.09255	Copper	7440-50-8	93.45	2.7200	2.9107
				Tin	7440-31-5	6.25	0.1819	
				Phosphorus	7723-14-0	0.2	0.0058	
				Iron	7439-89-6	0.1	0.0029	
		Nickel Plating	0.00573	Nickel	7440-02-0	100	0.1802	0.1802
		Tin Plating	0.00172	Tin	7440-31-5	100	0.0541	0.0541
6	Glue	Silicone Rubber	0.679	Silicone Rubber	63394-02-5	55	11.7448	21.3542
				Silicon Dioxide	14808-60-7	44	9.3959	
				Carbon Black	1333-86-4	1	0.2135	
7	Solder	Tin-silver-cooper alloy	0.02	Tin	7440-31-5	96.5	0.6070	0.6290
				Silver	7440-22-4	3	0.0189	
				Copper	7440-50-8	0.5	0.0031	
		Total weight	3.18					

This Document was updated on: 2024-2-22

Important remarks:

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