


MATERIAL DECLARATION



Material Number	SM91509AL			
Product Line	Signal Transformer			
Compliance Date	2023-12-20			
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	0.2209	Ferric oxide	1309-37-1	70.2	13.5305	19.2742			
				Zinc oxide	1314-13-2	14.9	2.8719				
				Trimanganese tetraoxide	1317-35-7	14.9	2.8719				
		Ni-Zn ferrite	0.1748	Parylene coating(Mn-Zn ferrite)	0.00567	Dichloro[2,2]paracyclophane	28804-46-8	100	0.4947	0.4947	
						Ferric oxide	1309-37-1	53	8.0835		15.2519
						Nickelous oxide	1313-99-1	33.7	5.1399		
						Zinc oxide	1314-13-2	11.1	1.6930		
Parylene coating(Ni-Zn ferrite)	0.00123	[2.2]Paracyclophane	0.00123	Cupric oxide	1317-38-0	2.2	0.3355	0.1073			
2	Wire	Copper	0.1037	Copper	7440-50-8	100	9.0482	9.0482			
				PUR+PA(Red)	0.00457	Polyurethane	9009-54-5		95	0.3788	0.3987
		Nylon 6/6	32131-17-2			4	0.0159				
		Solvent Red 122	12227-55-3			1	0.0040				
		PUR+PA(Green)	0.00457	Polyurethane	9009-54-5	95	0.3788	0.3987			
				Nylon 6/6	32131-17-2	4	0.0159				
Copper phthalocyanine	147-14-8			0.5	0.0020						

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				N-[2-(2-Hydroxyethoxy)ethyl]dodecanamide	26635-75-6	0.5	0.0020	
		PUR+PA(Blue)	0.00457	Polyurethane	9009-54-5	95	0.3788	0.3987
				Nylon 6/6	32131-17-2	4	0.0159	
				Solvent Blue 35	17354-14-2	1	0.0040	
		PUR+PA(Nature)	0.00457	Polyurethane	9009-54-5	95	0.3788	0.3987
				Nylon 6/6	32131-17-2	5	0.0199	
3	Case	DAP-GF30	0.4905	DAP resin	25035-78-3	25	10.6994	42.7977
				Aluminium hydroxide	21645-51-2	45	19.2590	
				Glass fiber	65997-17-3	30	12.8393	
4	Pin	Phosphor bronze alloys	0.0554	Copper	7440-50-8	93.45	4.5172	4.8338
				Tin	7440-31-5	6.25	0.3021	
				Phosphorus	7723-14-0	0.2	0.0097	
				Iron	7439-89-6	0.1	0.0048	
		Nickel plating	0.00115	Nickel	7440-02-0	100	0.1003	0.1003
		Tin plating	0.00346	Tin	7440-31-5	100	0.3019	0.3019
5	Glue	Silicon resin	0.065	Poly(dimethylsiloxane)	9016-00-6	100	5.6715	5.6715
6	Soder	Tin-silver-cooper alloy	0.006	Tin	7440-31-5	96.5	0.5052	0.5235
				Silver	7440-22-4	3	0.0157	
				Copper	7440-50-8	0.5	0.0026	
		Total weight	1.15					

This Document was updated on: 2023-12-20

Important remarks:

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