


MATERIAL DECLARATION



Material Number	SM91525AL			
Product Line	Signal Transformer			
Compliance Date	2024-09-18			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CAS RN (if applicable)	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)			
1	Core	Mn-Zn ferrite	0.0772	Ferric oxide	1309-37-1	70	12.6960	18.1372			
				Zinc oxide	1314-13-2	15	2.7206				
				Manganese oxide	1317-35-7	15	2.7206				
		Ni-Zn ferrite	0.0409	Paralene coating (Mn-Zn ferrite)	0.0014	[2.2]Paracyclophane	1633-22-3	100	0.3289	0.3289	
						Ferric oxide	1309-37-1	65	6.2458	9.6089	
						Zinc oxide	1314-13-2	19.9	1.9122		
						Nickelous oxide	1313-99-1	10.1	0.9705		
Paralene coating (Ni-Zn ferrite)	0.0003			[2.2]Paracyclophane	1633-22-3	100	0.0705	0.0705			
				Cupric oxide	1317-38-0	5	0.4804				
2	Red enamelled wire	Copper	0.00833	Copper	7440-50-8	100	1.9570	1.9570			
				PUR(Red)	0.001372	Polyurethane	9009-54-5	99	0.3191	0.3223	
						Solvent Red 122	12227-55-3	1	0.0032		
	Green enamelled wire	Copper	0.00833		Nylon 6/6	32131-17-2	100	0.0230	0.0230		
					PUR(Green)	0.001372	Copper	7440-50-8	100	1.9570	1.9570
							Polyurethane	9009-54-5	99	0.3191	0.3223
				Copper phthalocyanine	147-14-8	0.5	0.0016				

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			N-[2-(2-Hydroxyethoxy)ethyl]dodecanamide	26635-75-6	0.5	0.0016		
		PA	0.000098	Nylon 6/6	32131-17-2	100	0.0230	0.0230
	Blue enamelled wire	Copper	0.00833	Copper	7440-50-8	100	1.9570	1.9570
		PUR(Blue)	0.001372	Polyurethane	9009-54-5	99	0.3191	0.3223
				Solvent Blue 35	17354-14-2	1	0.0032	
		PA	0.000098	Nylon 6/6	32131-17-2	100	0.0230	0.0230
	Nature enamelled wire	Copper	0.00833	Copper	7440-50-8	100	1.9570	1.9570
		PUR(Nature)	0.001372	Polyurethane	9009-54-5	100	0.3223	0.3223
		PA	0.000098	Nylon 6/6	32131-17-2	100	0.0230	0.0230
3	Case	DAP-GF30	0.209	DAP resin	25035-78-3	25	12.2755	49.1020
				Aluminium hydroxide	21645-51-2	45	22.0959	
				Glass Fiber	65997-17-3	30	14.7306	
4	Terminal PIN	Phosphor Bronze Alloys	0.0277	Copper	7440-50-8	93.45	6.0837	6.5101
				Tin	7440-31-5	6.25	0.4069	
				Phosphorus	7723-14-0	0.2	0.0130	
				Iron	7439-89-6	0.1	0.0065	
		Nickel plating	0.0005	Nickel	7440-02-0	100	0.1212	0.1212
	Tin plating	0.0017	Tin	7440-31-5	100	0.4039	0.4039	
5	Adhesive	Silicon Resin	0.0229	Poly(dimethylsiloxane)	9016-00-6	100	5.3801	5.3801
6	Solder	Tin-silver-copper alloy	0.0048	Tin	7440-31-5	96.5	1.0882	1.1277
				Silver	7440-22-4	3	0.0338	
				Copper	7440-50-8	0.5	0.0056	
Total weight			0.426					

This Document was updated on: 2024-09-25

Important remarks: It is the responsibility of the user to verify they are accessing the latest version.