


MATERIAL DECLARATION SHEET



Material Number	SM91207L			
Product Line	Ferrite Transformer			
Compliance Date	2023-11-24			
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	2.78	Ferric oxide	1309-37-1	71.2	53.7227	75.4533
				Trimanganese tetraoxide	1317-35-7	24.3	18.3351	
				Zinc oxide	1314-13-2	4.5	3.3954	
2	Wire	Copper	0.23642	Copper	7440-50-8	100	6.4168	6.4168
				PUR+PA(Nature)	0.02135	Polyurethane	9009-54-5	
		Polyamide resin	70024-79-2			5	0.0290	
		PUR+PA(Green)	0.00568	Polyurethane	9009-54-5	95	0.1465	0.1542
				Polyamide resin	70024-79-2	4	0.0062	
		Green dye	Proprietary	1	0.0015			
3	Bobbin	PF-GF50	0.35128	Modified phenolic resin	Proprietary	42	4.0044	9.5343
				Glass fiber	65997-17-3	55	5.2438	
				Carbon Black	1333-86-4	1	0.0953	
				kaolin	1332-58-7	1	0.0953	
				Magnesium stearate	557-04-0	1	0.0953	
4	Pin	Phosphor bronze alloys	0.0696	Copper	7440-50-8	93.45	1.7653	1.8890
				Tin	7440-31-5	6.25	0.1181	
				Phosphorus	7723-14-0	0.2	0.0038	
				Iron	7439-89-6	0.1	0.0019	
		Nickel plating	0.00124	Nickel	7440-02-0	100	0.0337	0.0337
		Tin plating	0.00338	Tin	7440-31-5	100	0.0917	0.0917
5	Tape	PI tape	0.16899	Kaptone	60842-76-4	40	1.8347	4.5866

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				Silicon rubber	63394-02-5	60	2.7520	
6	Varnish	Polyester resin	0.01903	Modified polyester resin	Proprietary	100	0.5165	0.5165
7	Soder	Tin-silver-cooper alloy	0.02743	Tin	7440-31-5	96.5	0.7184	0.7445
				Silver	7440-22-4	3	0.0223	
				Copper	7440-50-8	0.5	0.0037	
		Total weight	3.68					

This Document was updated on: 2023-11-24

Important remarks:

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