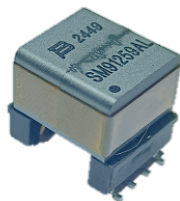


MATERIAL DECLARATION SHEET



Material Number	SM91259AL			
Product Line	Power Transformer			
Compliance Date	2024-12-09			
RoHS Compliant	YES	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\Substances	CASRN (if applicable)	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Core	Mn-Zn ferrite	3.2476	Ferric oxide	1309-37-1	72	50.8751	70.6599
				Trimanganese tetraoxide	1317-35-7	22	15.5452	
				Zinc oxide	1314-13-2	6	4.2396	
2	Bobbin	DAP-GF30	0.692	DAP resin	25035-78-3	25	3.7641	15.0562
				Aluminium hydroxide	21645-51-2	45	6.7753	
				Glass fiber	65997-17-3	30	4.5169	
3	Pin	Phosphor Bronze Alloys	0.08147	Copper	7440-50-8	93.45	1.6565	1.7726
				Tin	7440-31-5	6.25	0.1108	
				Phosphorus	7723-14-0	0.2	0.0035	
				Iron	7439-89-6	0.1	0.0018	
		Nickel plating	0.00039	Nickel	7440-02-0	100	0.0085	0.0085
		Tin plating	0.00104	Tin	7440-31-5	100	0.0226	0.0226
4	Green insulated wire	Copper	0.1043	Copper	7440-50-8	100	2.2693	2.2693
		PUR	0.0027	Polyurethane	9017-09-8	100	0.0587	0.0587
		PFA(Green)	0.0641	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	1.3807	1.3947
				Yellow masterbatch	Proprietary	1	0.0139	
	Yellow	Copper	0.1043	Copper	7440-50-8	100	2.2693	2.2693

MATERIAL DECLARATION SHEET



	insulated wire	PUR	0.0027	Polyurethane	9017-09-8	100	0.0587	0.0587
		PFA(Yellow)	0.0641	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	1.3807	1.3947
				Yellow masterbatch	Proprietary	1	0.0139	
5	Tape	Polyimide	0.0497	Kaptone	60842-76-4	100	1.0814	1.0814
		Silicone adhesive	0.0745	Silicon rubber	63394-02-5	100	1.6209	1.6209
6	Tube	PTFE	0.016	Poly(tetrafluoroethylene)	9002-84-0	100	0.3481	0.3481
7	Varnish	Polyester resin	0.063	Modified polyester resin	Proprietary	100.00	1.3707	1.3707
8	Solder	Tin-silver-cooper alloy	0.0282	Tin	7440-31-5	96.5	0.5921	0.6136
				Silver	7440-22-4	3	0.0184	
				Copper	7440-50-8	0.5	0.0031	
		Total weight	4.60					

This Document was updated on: 2024-12-09

Important remarks:

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