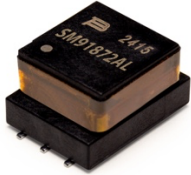


MATERIAL DECLARATION SHEET



Material Number	SM91872AL			
Product Line	BMS Transformer			
Compliance Date	2024-07-18			
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.	Subpart mass of total wt. (%)
1	Core	Mn-Zn ferrite	0.586	Ferric oxide	1309-37-1	70.4	18.7079	26.5737
				Trimanganese tetraoxide	1317-35-7	17.9	4.7567	
				Zinc oxide	1314-13-2	11.7	3.1091	
2	Wire	Copper	0.0805	Copper	7440-50-8	100	3.6505	3.6505
		PUR	0.016	High temperature polyurethane	1423172-07-9	100	0.7256	0.7256
3	Bobbin	DAP-GF30	0.4612	DAP resin	25035-78-3	25	5.2286	20.9143
				Aluminium hydroxide	21645-51-2	45	9.4114	
				Glass fiber	65997-17-3	30	6.2743	
4	Pin	Phosphor bronze alloys	0.0701	Copper	7440-50-8	93.45	2.9706	3.1789
				Tin	7440-31-5	6.25	0.1987	
				Phosphorus	7723-14-0	0.2	0.0064	
				Iron	7439-89-6	0.1	0.0032	
		Nickel plating	0.00005	Nickel	7440-02-0	100	0.0023	0.0023
Tin plating	0.00022	Tin	7440-31-5	100	0.0100	0.0100		
5	Over molding	PA10T/X-GF35FR(40)	0.9410	Poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl)	24938-74-7	48	20.4826	42.6721
				Glass fiber	65997-17-3	35	14.9352	
				Further Additives	Not to declare	1	0.4267	
				Phosphinic acid, diethyl-, aluminum salt (9CI)	225789-38-8	16	6.8275	
6	Tape	Polyimide	0.0148	Kaptone	60842-76-4	100	0.6711	0.6711

MATERIAL DECLARATION SHEET



		Silicone adhesive	0.0221	Silicon rubber	63394-02-5	100	1.0022	1.0022
7	Adhesive	Acrylates adhesive	0.00072	Acrylates copolymer	25133-97-5	100	0.0327	0.0327
8	Solder(For wire soldering)	Tin-antimony alloy	0.0101	Tin	7440-31-5	90.00	0.4122	0.4580
				Antimony	7440-36-0	10.00	0.0458	
9	Solder(For SMD Pin)	Silver-copper alloy	0.0024	Tin	7440-31-5	99.3	0.1081	0.1088
				Copper	7440-50-8	0.7	0.0008	
		Total weight	2.21					

This Document was updated on: 2024-07-18

Important remarks:

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