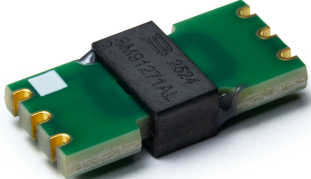


# MATERIAL DECLARATION SHEET



Material Number	SM91271AL			
Product Line	Power Transformer			
Compliance Date	2026-02-06			
RoHS Compliant	YES	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Compositions\Substances	CASRN(if applicable)	Compositions Mass %	Composition Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Core	Mn-Zn Ferrite Magnet	0.488	Ferric oxide	1309-37-1	71	36.6607	51.6347
				Trimanganese tetraoxide	1317-35-7	24	12.3923	
				Zinc oxide	1314-13-2	5	2.5817	
2	PCB	EP-GF51	0.24783	Glass Fiber	65997-17-3	51.2	13.4260	26.2226
				Further additives	Not to declare	5	1.3111	
				Expoxy resin	Proprietary	43.8	11.4855	
		Electrolytic Copper Plating	0.1812	Copper	7440-50-8	99.95	19.1630	19.1726
				Miscellaneous	Not to declare	0.05	0.0096	
		Electroless Copper plating	0.00571	Copper	7440-50-8	99.99	0.6041	0.6042
				Miscellaneous	Not to declare	0.01	0.0001	
		Lacquer Acrylic polyol resin(Green solder mask ink)	0.01359	Acrylic polyol resin	Proprietary	52.2	0.7506	1.4379
				Barium sulphate	7727-43-7	41.8	0.6011	
				Talc	14807-96-6	1	0.0144	
		Lacquer Acrylic resin(White ink)	0.00453	Further additives	Not to declare	5	0.0719	0.4793
				Acrylic resin	Proprietary	45	0.2157	
Titanium dioxide	13463-67-7			7	0.0336			
		Aluminium hydroxide	21645-51-2	0.7	0.0034			

# MATERIAL DECLARATION SHEET



				2-Hydroxy-3-phenoxypropyl acrylate	16969-10-1	45	0.2157	
				Further additives	Not to declare	2.3	0.0110	
		Electroless Nickel plating	0.00009	Nickel	7440-02-0	99.5	0.0095	0.00952
				Miscellaneous	Not to declare	0.5	0.0000	
		Electroless Gold plating	0.00005	Gold	7440-57-5	99.9	0.0053	0.00529
				Miscellaneous	Not to declare	0.1	0.0000	
3	Adhesive	Adhesive acrylic	0.00072	Acrylates copolymer	25133-97-5	100	0.0762	0.0762
4	Adhesive	Adhesive EP	0.00338	Epoxy resin	38891-59-7	95	0.3398	0.3576
				Bentonite	1302-78-9	5	0.0179	
		Total weight	0.945					

**This Document was updated on: 2026-02-06**

**Important remarks:**

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