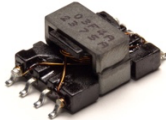


# MATERIAL DECLARATION SHEET



Material Number	HVMA03F4A-LP8S			
Product Line	TRANSFORMER ER9.5D			
Compliance Date	23-May-24			
RoHS Compliant	Comply RoHS	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	BOBBIN	PF-PM9630	380	Phenol, polymer with formaldehyde	9003-35-4	50.00	15.702	31.405
				GF-Fiber	65997-17-3	45.00	14.132	
				Kaolin, calcined	92704-41-1	3.00	0.942	
				Fatty acids, tallow, hydrogenated	61790-38-3	1.00	0.314	
				Zinc stearate	557-05-1	0.50	0.157	
				Carbon black	1333-86-4	0.40	0.126	
				Other, not to declare	system	0.10	0.031	
2	PIN	C5191	74	Copper	7440-50-8	93.15	5.697	6.116
				Tin	7440-31-5	6.25	0.382	
				Phosphorus	7723-14-0	0.19	0.012	
				Zinc	7440-66-6	0.10	0.006	
				Miscellaneous	system	0.31	0.019	
		Plating Tin	4	Tin	7440-31-5	99.90	0.330	0.331
				Miscellaneous	system	0.10	0.001	
		Plating Ni	2	Nickel	7440-02-0	99.90	0.165	0.165
				Miscellaneous	system	0.10	0.0001	
3	SOLDER	Tin	10	Tin	7440-31-5	96.42	0.796	0.826
				Silver	7440-22-4	3.00	0.025	
				Copper	7440-50-8	0.50	0.004	
				Miscellaneous	system	0.08	0.001	

# MATERIAL DECLARATION SHEET



No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
4	GLUE	Epoxy Resin	10	Epoxy Resin	25068-38-6	55.00	0.455	0.810
				Limestone	1317-65-3	35.00	0.289	
				Talc	14807-96-6	3.00	0.025	
				bisphenol A/ epichlorohydrin/ butadiene/ acrylonitrile	68610-41-3	3.00	0.025	
				Diuron	330-54-1	0.19	0.002	
				Quartz (SiO2)	14808-60-7	0.55	0.005	
				Titanium-dioxide	13463-67-7	1.26	0.010	
5	CORE	MnZn-Ferrite	670	Iron manganese zinc oxide	12645-49-7	99.80	55.261	55.372
				other, not to declare	system	0.20	0.111	
6	WIRE	C1100	40	Copper	7440-50-8	99.90	3.302	3.306
				Miscellaneous	system	0.10	0.003	
		PUR	19.7	Polyurethane resin	9009-54-5	99.90	1.626	1.628
				others, not to declare	system	0.10	0.002	
		PA	0.3	Polyamide resin	32131-17-2	99.90	0.025	0.025
				others, not to declare	system	0.1	0.0001	
7	INK	INK	0.1	additives, not to declare	system	1.00	0.000	0.008
				Nitrocellulose	9004-70-0	99.00	0.008	
		Total weight	1210 mg					

This Document was updated on: **23-May-2024**

**Important remarks:**

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