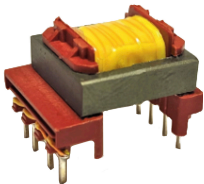


MATERIAL DECLARATION



Material Number	094931			
Product Line	Smart Power Transformer			
Compliance Date	December 02, 2022			
RoHS Compliant	YES	MSL	N/A	

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	Ferrite Core (Set)	Manganese-Zinc-Ferrite	6.6	Manganese-Zinc-Ferrite	12645-49-7	100	52.80	52.80
2	Coil Former	Glass Fiber Reinforced Polyamide	1.4	Polyamide 66	32131-17-2	57.0	6.38	11.20
				Glass Fiber	65997-17-3	35.0	3.92	
				Red Phosphorous	7723-14-0	6.0	0.67	
				Additives, not to declare	--	2.0	0.22	
		CuNi18Zn20	0.2	Copper	7440-50-8	60 - 63	0.96-1.01	1.60
				Zinc	7440-66-6	19.97	0.32	
				Nickel	7440-02-0	17 - 19	0.27-0.30	
				Manganese	7439-96-5	0.0 - 0.5	0.0-0.008	
				Iron	7439-89-6	0.0 - 0.3	0.0-0.005	
				Tin	7440-31-5	0.0 - 0.03	0.0-0.001	
Lead	7439-92-1	0.0 - 0.03	0.0-0.001					
Misc., not to declare	--	0.0 - 0.2	0.0-0.003					
3	DIW Wire	Double Insulated Wire	1.5	Copper	7440-50-8	95	11.40	12.00
				Polyurethane	9009-54-5	4.75	0.57	
				Additives, not to declare	--	0.25	0.03	
4	TIW Wire	Triple Insulated Litz Wire	2.4	Copper	7440-50-8	86.0	16.51	19.20
				Polyester	--	8.5	1.63	
				Polyamide	--	5.5	1.06	

MATERIAL DECLARATION



5	Adhesive Tape	Polyester Tape	0.24	Polyethylene terephthalate	25038-59-9	38.0-43.7	0.73-0.84	1.92
				2-Propenoic acid, polymer with 2-ethylhexyl 2-propenoate	25134-51-4	48.6-57.0	0.93-1.09	
				1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, butylated	68002-25-5	1.08-1.80	0.02-0.03	
				Titanium Dioxide	1317-80-2	0.54-0.90	0.01-0.02	
				C.I. Pigment Yellow 138	30125-47-4	1.08-1.80	0.02-0.03	
				Misc., not to declare	--	2.675	0.05	
6	Adhesive	Acrylic	0.06	Polymethyl methacrylate	9011-14-7	99.0-99.9	0.47-0.48	0.48
				Misc., not to declare	--	0.1-1.0	0.001-0.005	
7	Solder	Sn99Ag0.3Cu0.7	0.1	Tin	7440-31-5	99	0.79	0.80
				Copper	7440-50-8	0.7	0.006	
				Silver	7440-22-4	0.3	0.002	
Total weight			12.50					

This Document was updated on: August 4, 2023

Important remarks:

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