


MATERIAL DECLARATION



Material Number	093267			
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	3.2	Manganese-Zinc-Ferrite	12645-49-7	100	48.41	48.41
2	Coil Former	Glass Fiber Reinforced Polyamide	1.22	Polyamide 66	32131-17-2	57.0	10.52	18.46
				Glass Fiber	65997-17-3	35.0	6.46	
				Red Phosphorous	7723-14-0	6.0	1.11	
				Additives, not to declare	--	2.0	0.37	
		CuNi18Zn20	0.13	Copper	7440-50-8	60 - 63	1.18-1.24	1.97
				Zinc	7440-66-6	19.97	0.39	
				Nickel	7440-02-0	17 - 19	0.33-0.37	
				Manganese	7439-96-5	0.0 - 0.5	0.0-0.01	
				Iron	7439-89-6	0.0 - 0.3	0.0-0.006	
				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	0.0-0.004					
3	SIW Wire	Single Insulated Wire	1.9	Copper	7440-50-8	95	27.31	28.74
				Polyurethane	9009-54-5	4.75	1.37	
				Additives, not to declare	--	0.25	0.07	
4	Adhesive	Acrylic	0.06	Polymethyl methacrylate	9011-14-7	98.0 - 99.9	0.89-0.91	0.91
				Additives, not to declare	--	0.1 - 2.0	0.0-0.018	
5	Solder	Sn99Ag0.3Cu0.7	0.1	Tin	7440-31-5	99.0	1.50	1.51
				Copper	7440-50-8	0.7	0.01	
				Silver	7440-22-4	0.3	0.005	
Total weight			6.61					

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BOURNS®

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.