


MATERIAL DECLARATION SHEET



Material Number	HCT8xxxx(E)AL			
Product Line	High Creepage Transformers			
Compliance Date	2024-03-12			
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	0.5419	Ferric oxide	1309-37-1	70.00	19.0925	27.2751
				Trimanganese tetraoxide	1317-35-7	22.00	6.0005	
				Zinc oxide	1314-13-2	8.00	2.1820	
2	Bobbin	Diallyl phthalate molding compound	0.3149	DAP resin	25035-78-3	25.00	3.9622	15.8486
				Aluminium hydroxide	21645-51-2	45.00	7.1319	
				Glass fiber	65997-17-3	30.00	4.7546	
	Pin	Phosphor bronze alloys	0.0531	Copper	7440-50-8	93.45	2.4976	2.6726
				Tin	7440-31-5	6.25	0.1670	
				Phosphorus	7723-14-0	0.2	0.0053	
				Iron	7439-89-6	0.1	0.0027	
	Nickel plating	0.000040	Nickel	7440-02-0	100.00	0.0020	0.0020	
	Tin plating	0.000177	Tin	7440-31-5	100.00	0.0089	0.0089	
3	Wire	Copper	0.1886	Copper	7440-50-8	100	9.4927	9.4927
		PUR	0.0343	Modified polyurethane	proprietary	100	1.7264	1.7264
4	Over molding	PA10T/X-GF35FR(40)	0.7853	Poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl)	24938-74-7	48	18.9724	39.5259
				Glass fiber	65997-17-3	35	13.8341	

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				Further Additives	proprietary	1	0.3953		
				Phosphinic acid, diethyl-, aluminum salt (9CI)	225789-38-8	16	6.3241		
5	Glue	Acrylates copolymer	0.0007	Acrylates copolymer	25133-97-5	100	0.0352	0.0352	
6	Tape	PI tape	0.0553	Kaptone	60842-76-4	40.00	1.1133	2.7834	
				Silicone rubber	63394-02-5	60.00	1.6700		
7	Solder	Tin-antimony alloy	0.0125	Tin	7440-31-5	90.00	0.5662	0.6292	
				Antimony	7440-36-0	10.00	0.0629		
8	Solder	Tin-copper alloy	0.0025	Tin	7440-31-5	99.30	0.1248	0.1257	
				Copper	7440-50-8	0.70	0.0009		
Total weight			2.0						

Part Number list: HCT80101(E)AL, HCT80102(E)AL, HCT80201(E)AL, HCT80304(E)AL, HCT80305(E)AL, HCT80308(E)AL, HCT80403(E)AL, HCT80803(E)AL, HCT80809(E)AL, HCT80910(E)AL, HCT81017(E)AL

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Important remarks:

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