


# MATERIAL DECLARATION SHEET



Material Number	HCTSM150102HL			
Product Line	HCT Transformer			
Compliance Date	2021-11-17			
RoHS Compliant	YES	MSL	1	

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	Mn-Zn	0.611	Ferric oxide	1309-37-1	72	12.277	17.051
				Trimanganese tetraoxide	1317-35-7	22	3.751	
				Zinc oxide	1314-13-2	6	1.023	
		Coating	0.0253	Poly (Bisphenol A-co-epichlorohydrin) glycidyl end-capped	25036-25-3	73.2	0.5168	0.706
				Titanium dioxide	13463-67-7	24.4	0.1723	
				Cristobalite	14464-46-1	2.4	0.0169	
2	Housing	WH9100	1.633	1,3-Benzenedicarboxylic acid, 1,3-di-2-propen-1-yl ester, homopolymer	25035-78-3	25	11.393	45.573
				Aluminum hydroxide	21645-51-2	45	18.229	
				Fiber Glass	65997-17-3	30	11.393	
		Phosphor Bronze Alloys	0.0064	Copper	7440-50-8	99.72	0.1785	0.179
				Phosphorous	7723-14-0	0.28	0.0005	
		Nickel plating	0.0001	Nickel	7440-02-0	100	0.0003	0.003
		Tin plating	0.0005	Tin	7440-31-5	100	0.014	0.014
		3	TIW Wire	Triple Insulated Wire	0.0795	Copper	7440-50-8	60
Teflon PFA 335	26655-00-5					39.5	0.876	

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				1,3-Propanediol,2-ethyl-2-(hydroxymethyl)-, polymer with 1,3-diisocyanatomethylbenzene	9017-09-8	0.5	0.011	
4	FIW Wire	Copper Wire	0.0588	Copper	7440-50-8	55	0.903	1.641
				Polyurethane	26680-22-8	45	0.738	
5	Insulation Sheet	T410	0.0187	1,3-Benzenedicarbonyl dichloride, polymer with 1,3-benzenediamine	25765-47-3	100	0.522	0.522
6	Silicone Rubber <sup>2</sup>	WR7155A	0.565	Vinyl Polysiloxane	68083-19-2	50	7.884	15.768
				Silicon dioxide	14808-60-7	42.5	6.7014	
				Carbon black	1333-86-4	7.5	1.1826	
7	Silicone Rubber <sup>2</sup>	WR7155B	0.565	Vinyl Polysiloxane	68083-19-2	50	7.884	15.768
				Silicon dioxide	14808-60-7	42.5	6.7014	
				Carbon black	1333-86-4	7.5	1.1826	
8	Solder bar	Sn/Ag/Cu	0.02	Tin	7440-31-5	96.5	0.539	0.558
				Silver	7440-22-4	3	0.017	
				Copper	7440-50-8	0.5	0.003	
Total weight			3.5833					

**This Document was updated on: 2021-11-17**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Silicone rubber – D4, D5, D6 content are all <0.1% per supplier