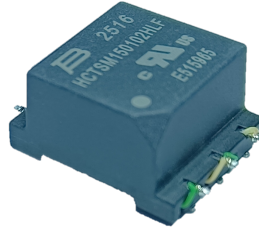


MATERIAL DECLARATION SHEET



Material Number	HCTSM150102HLF			
Product Line	High Creepage Transformer			
Compliance Date	2025-06-05			
RoHS Compliant	YES	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Compositions\Substances	CASRN (if applicable)	Composition Mass %	Composition Mass % of total unit wt.	Material mass of total wt. (%)
1	Core	Mn-Zn ferrite magnet	0.6291	Ferric oxide	1309-37-1	72	12.9441	17.9779
				Trimanganese tetraoxide	1317-35-7	22	3.9551	
				Zinc oxide	1314-13-2	6	1.0787	
		Lacquer EP	0.0253	Poly (Bisphenol A-co-epichlorohydrin) glycidyl end-capped	25036-25-3	70	0.5061	0.7230
				Titanium dioxide	13463-67-7	20	0.1446	
				Organic pigment	Proprietary	8	0.0578	
				Cristobalite	14464-46-1	2	0.0145	
2	Housing	Plastics PDAP (Filled)	2.014	DAP resin	25035-78-3	25	14.3886	57.5544
				Aluminium hydroxide	21645-51-2	45	25.8995	
				Glass fiber	65997-17-3	30	17.2663	
3	Pin	Copper Alloy C5191	0.0064	Copper	7440-50-8	93.45	0.1709	0.1829
				Tin	7440-31-5	6.25	0.0114	
				Phosphorus	7723-14-0	0.2	0.0004	
				Iron	7439-89-6	0.1	0.0002	
		Electrolytic Nickel Plating	0.0001	Nickel	7440-02-0	100	0.0029	0.0029
		Electrolytic Tin Plating	0.0005	Tin	7440-31-5	100	0.0143	0.0143

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4	Yellow insulated wire(1)	Copper	0.0221	Copper	7440-50-8	100	0.6316	0.6316
		Lacquer PUR	0.0009	Polyurethane	9017-09-8	100	0.0257	0.0257
		Plastics PFA (Unfilled)	0.0225	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.6366	0.6430
				Red masterbatch	Proprietary	1	0.0064	
	Red insulated wire	Copper	0.0221	Copper	7440-50-8	100	0.6316	0.6316
		Lacquer PUR	0.0009	Polyurethane	9017-09-8	100	0.0257	0.0257
		Plastics PFA (Unfilled)	0.0225	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.6366	0.6430
				Red masterbatch	Proprietary	1	0.0064	
	Green insulated wire	Copper	0.0165	Copper	7440-50-8	100	0.4715	0.4715
		Lacquer PUR	0.0008	Polyurethane	9017-09-8	100	0.0229	0.0229
		Plastics PFA (Unfilled)	0.0198	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.5602	0.5658
				Green masterbatch	Proprietary	1	0.0057	
	Yellow insulated wire(2)	Copper	0.0165	Copper	7440-50-8	100	0.4715	0.4715
		Lacquer PUR	0.0008	Polyurethane	9017-09-8	100	0.0229	0.0229
		Plastics PFA (Unfilled)	0.0198	Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	99	0.5602	0.5658
				Yellow masterbatch	Proprietary	1	0.0057	
5	Insulation Sheet	Meta-aramid Paper	0.0187	Poly[N,N'-(1,3-phenylene)isophthalamide]	25765-47-3	100	0.5344	0.5344
6	Adhesive	Adhesive VMQ	0.62	Silicone Rubber	63394-02-5	55	9.7448	17.7178
				Silicon Dioxide	14808-60-7	44	7.7958	
				Carbon Black	1333-86-4	1	0.1772	
7	Solder	Solder A30C5	0.02	Tin	7440-31-5	96.5	0.5515	0.5715
				Silver	7440-22-4	3	0.0171	

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				Copper	7440-50-8	0.5	0.0029	
		Total weight	3.50					

This Document was updated on: 2025-06-05

Important remarks:

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