

100/1000BASE-TX TRANSFORMER MODULES

Part NO: H86001D



Feature:

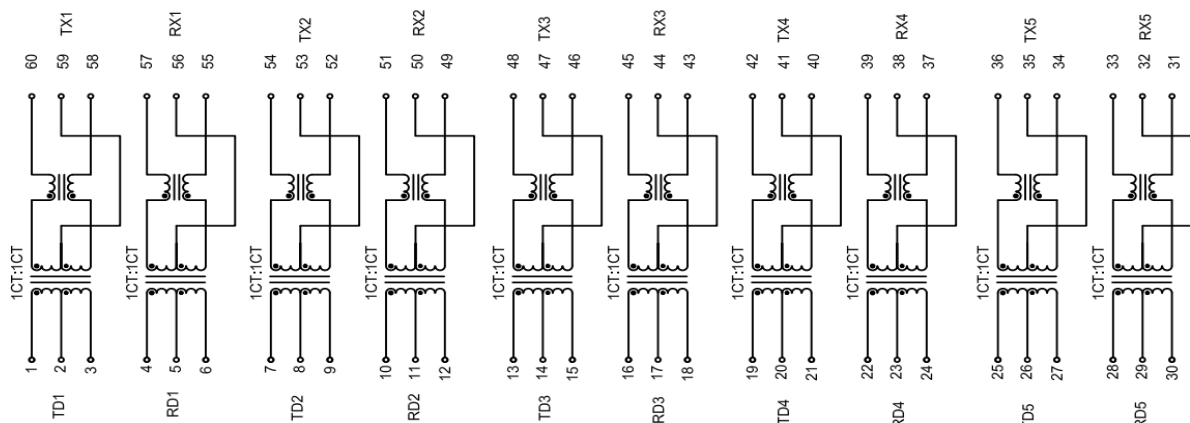


- Designed for Ethernet 100/1000 BASE-T.
- Supports 16 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3ab standard for 1000 BASE-T.
- Compliance with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -10°C to +85°C.

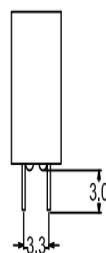
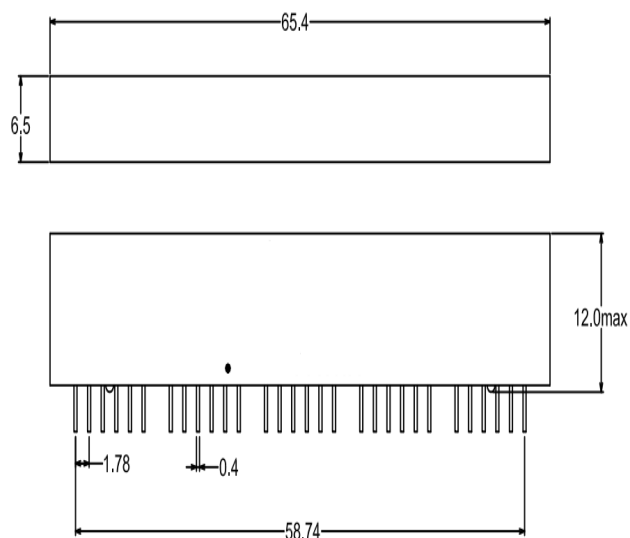
Electrical Specifications @ 25°C

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Part Number	Turns Ratio (±5%)		OCL (µH Min) @100KHz/0.1V With 8mA DC Bias		Cross talk Attenuation (dB Min)			HI-POT (Vrms)	
	TX	RX			30MHz	60MHz	100MHz		
H86001D	1CT:1CT	1CT:1CT	350		-40	-35	-30	1500	
Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
H86001D	-1.1	-18	-14.4	-13.1	-12	-10	-40	-35	-30

Schematic:



Mechanical:



	MILLIMETERS			INCHES		
DIM	MIN	MAX	NOM	MIN	MAX	NOM
A	64.90	65.90	65.40	2.555	2.594	2.575
B	6.00	7.00	6.50	0.236	0.276	0.256
C	-	12.00	-	-	0.470	-
D	58.74(typical)			2.31(typical)		
E	2.90	3.20	3.50	0.120	0.149	0.135
F	1.78(typical)			0.070(typical)		
G	0.5(typical)			0.021(typical)		
H	3.30(typical)			0.130(typical)		