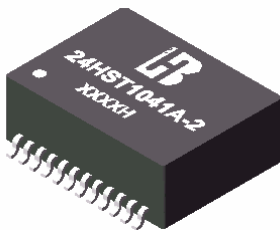


1000 BASE –T MAGNETICS MODULES

P/N: 24HST1041A-2 DATA SHEET

Page : 1/1

Feature



- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Supports 4 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.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

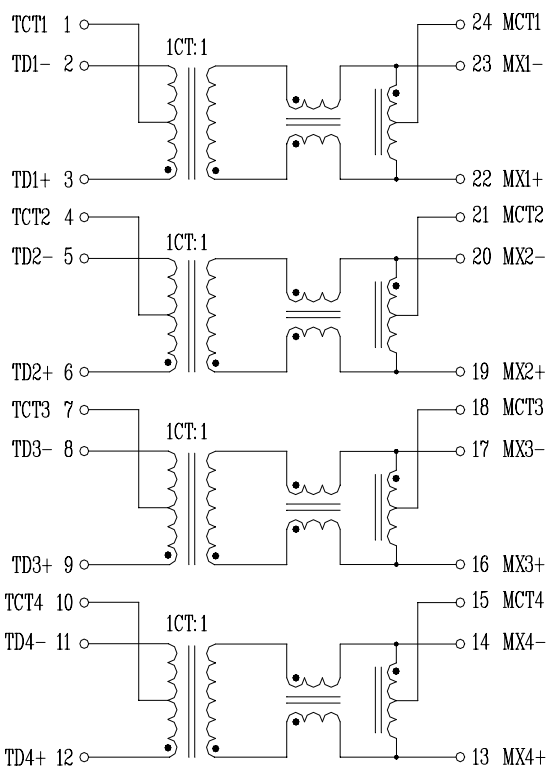
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	OCL (uH Min) @ 100KHz/0.1Vrms with 8mA/DC Bias	HI-POT (Vrms)
24HST1041A-2	1CT:1	350	1500

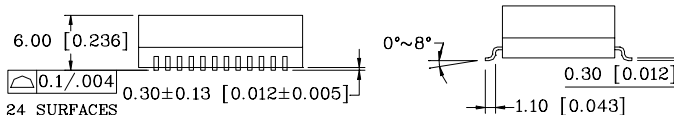
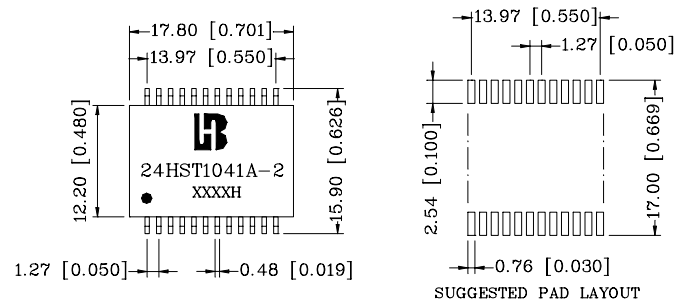
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min @ 100 Ω)					Cross talk Attenuation (dB Min)			DCMR (dB Min)		
	1–100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
24HST1041A-2	-1.0	-18	-14.4	-13.1	-12	-10	-45	-40	-35	-43	-37	-33

Schematic



Mechanical



Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]