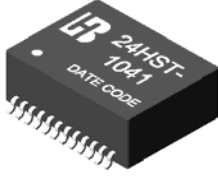


1000 BASE –T MAGNETICS MODULES

P/N: 24HST1041 DATA SHEET

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.
- Insulation Resistance: 10,000 MΩ.
- 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			C _{www} (pF Max)	L.L (uH Max)	Insertion Loss (dB Max)			HI-POT (Vrms)
	TX	RX						1–100MHz			
24HST1041	1CT:1CT	1CT:1CT	350			28	0.5	-1.0			1500
Continue											
Part Number	Return Loss (dB Min @ 100 Ω)					Cross talk Attenuation (dB Min)		DCMR (dB Min)			
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	0.3-60MHz	60-100MHz	60MHz	100MHz	200MHz	
24HST1041	-18	-14.4	-13.1	-12	-10	-40	-35	-37	-28	-25	

Schematic

Mechanical

