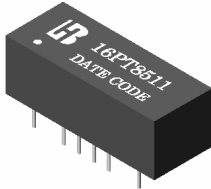


100 BASE PULSE TRANSFORMER

P/N:16PT8511 DATA SHEET

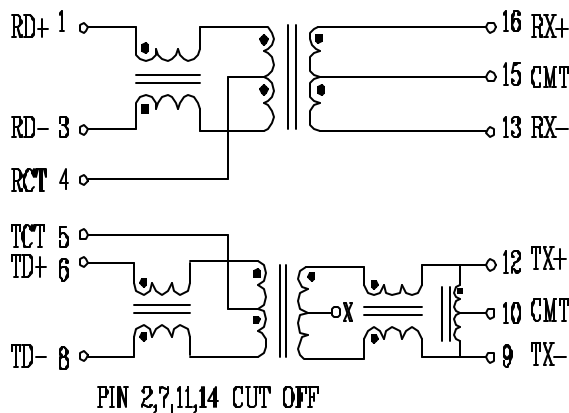
Feature



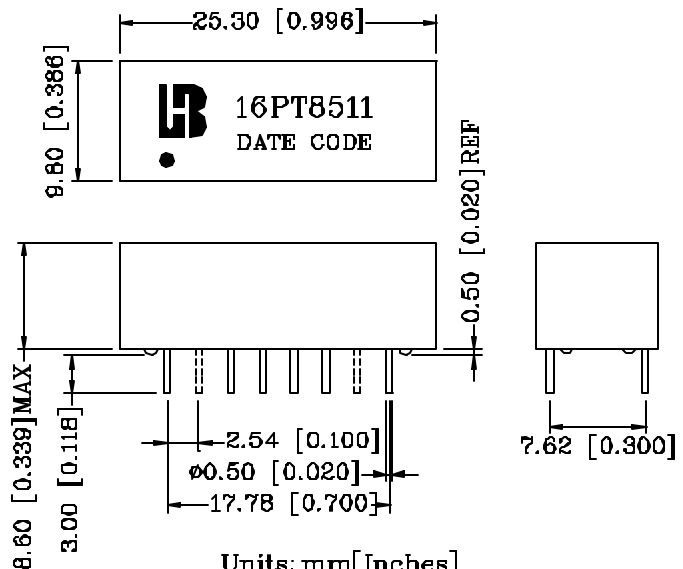
- Designed for 100 MB/s transmission over UTP-5 cable.
- Tested & qualified for use with national semiconductor's DP83840 Ethernet 100 PHY CHIP
- Cable interface for insulation and low common mode emissions.
- 16-PIN DIP Package for economic cost.
- Storage temperature range: -25°C to +125°C.
- Operating Temperature range: 0°C to +70°C.

Electrical Specifications @ 25°C										
Part Number	Rise Time 10-90% (nS TYP)				Voltage Isolation (Vrms)			Insertion Loss (dB Max)		
								0.3-100 MHz		
16PT8511	2.5				1500			-1.15		
Continue										
Part Number	Return Loss (dB Min)					Cross talk (dB Min)		Differential to Common Mode Rejection TX/RX(dB Min)		
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
16PT8511	-16	-14	-13.5	-13	-12	-40	-38	-42/-42	-38/-36	-35/-32

Schematic



Mechanical



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