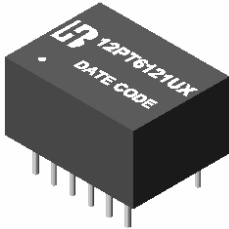


**Bothhand USA    email:sales@bothhandusa.com    http://www.bothhandusa.com**  
**SINGLE 10/100 BASE-TX LAN MAGNETIC**  
**P/N: 12PT6121UX DATA SHEET**

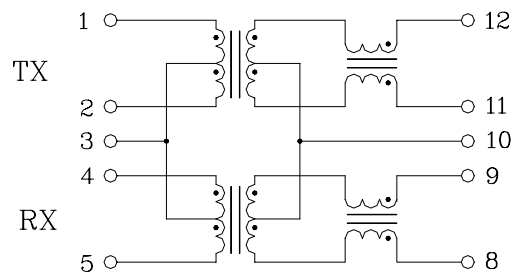
**Feature**



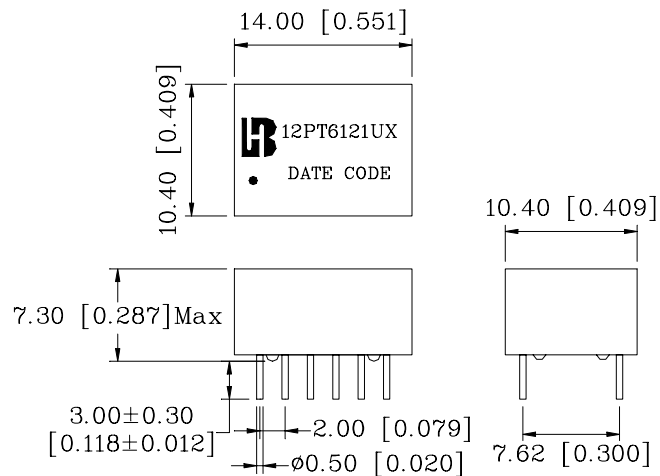
- Complies with IEEE 802.3 standards including 350 uH min OCL with 8mA bias.
- Symmetrical TX and RX channels for Auto MDI/MDIX capability.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

Electrical Specifications @ 25°C						
Part Number	Turns Ratio (±3%)		OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Insertion Loss (dB Max)		HI-POT (Vrms)
	TX	RX		1-100MHz		
12PT6121UX	1CT:1CT	1CT:1CT	350	-1.2		1500
Continue						
Part Number	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)
	1-30MHz	50MHz	60-80MHz	1-60MHz	60-100MHz	1-100MHz
12PT6121UX	-15	-13	-11	-40	-35	-35

**Schematic**



**Mechanical**



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