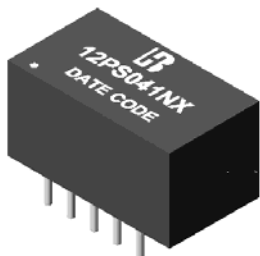


SINGLE PORT MODULE 10/100 BASE-TX LAN MAGNETIC**P/N: 12PS041NX DATA SHEET****Feature**

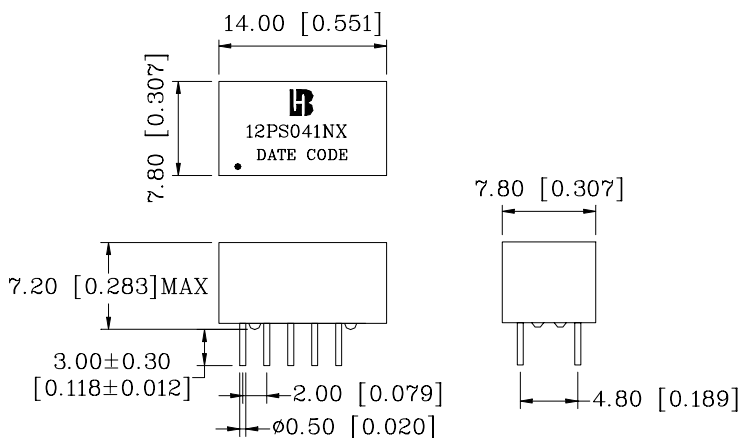
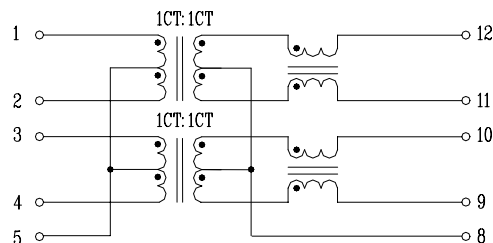
- Magnetic designs to support every PHY.
- Complies with IEEE 802.3 standards including 350 uH min OCL with 8mA bias.
- Operating temperature range: 0°C to +70°C
- Storage temperature range: -25°C to +125°C.

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)
	RX	TX		1-100MHz	
12PS041NX	1CT:1CT	1CT:1CT	350	-1.2	1500

Continue

Part Number	Return Loss (dB Min)TX/RX			Cross talk (dB Min)TX/RX			CMR (dB Min)TX/RX		
	30MHz	50MHz	80MHz	0.3-30MHz	30-60MHz	60-100MHz	1-30MHz	30-60MHz	60-125MHz
12PS041NX	-15	-13	-11	-40	-35	-30	-30	-25	-20

Schematic**Mechanical**

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