



10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

### P/N: TS6121UX DATA SHEET

#### Feature



- Designed to meet IEEE 802.3u requirement, including 350uH OCL with 8mA bias.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

#### Electrical Specifications @ 25°C

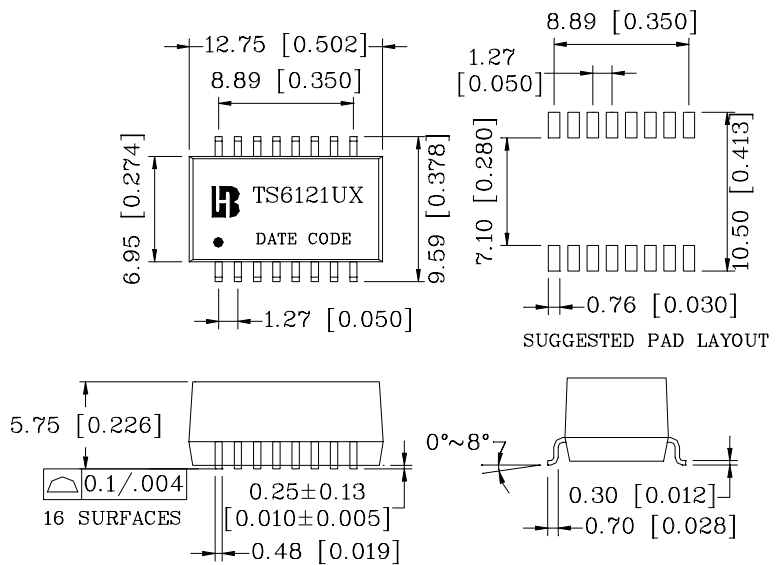
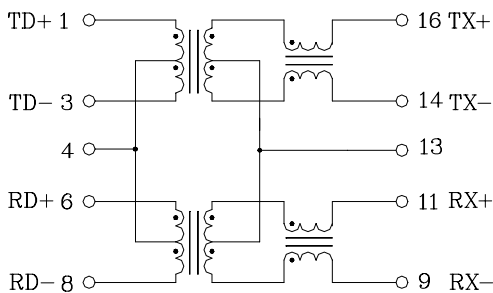
Part Number	Turns Ratio (±3%)		OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Cross talk (dB Min)		HI-POT (Vrms)
	TX	RX		0.3-60MHz	60-100MHz	
TS6121UX	1CT:1CT	1CT:1CT	350	-45	-35	1500

#### Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			DCMR (dB Min)		
	0.3-100MHz	1-30MHz	30-60MHz	60-80MHz	30MHz	60MHz	100MHz
TS6121UX	-1.0	-18	-14.5	-12	-40	-35	-30

#### Schematic

#### Mechanical



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