

**10/100 BASE-T ETHERNET ISOLATION TRANSFORMER****P/N: TS8121CX LF DATA SHEET**

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Feature

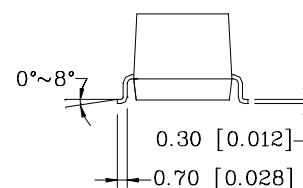
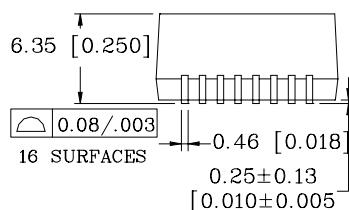
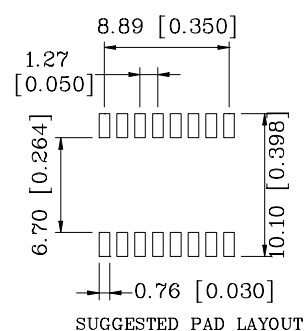
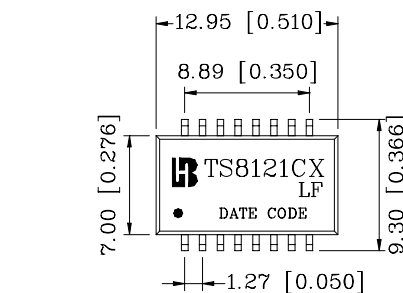
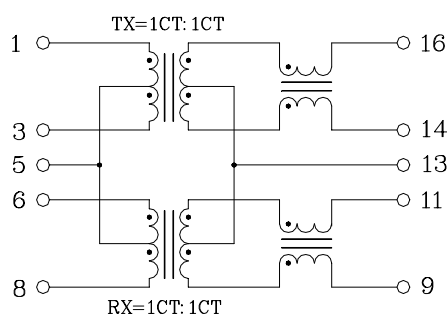
- Designed to meet IEEE 802.3u requirement, including 350uH OCL with 8mA bias.
- Comply with RoHS requirements-whole part No Cd, No Hg, No Cr6⁺, No PBB and PBDE and No Pb on external pins.
- Comply with Air reflow profile of JEDEC 020C.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +125 .

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	L.L (uH Max)	C _{w/w} (pF Max)	DCR (Ω Max)		HI-POT (Vrms)
	1-3:16-14	6-8:11-9				1-3/6-8	16-14/11-9	
TS8121CX LF	1CT:1CT	1CT:1CT	350	0.5	50	0.7	1.1	1500

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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
	0.3-100MHz	30MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
TS8121CX LF	-1.15	-18	-14	-12	-45	-35	-40	-35	-30

Schematic**Mechanical**

Units: mm[Inches] all Tolerance are : ±0.25[0.010]

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