

10/100 BASE PULSE TRANSFORMER

P/N: TS8121V 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.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

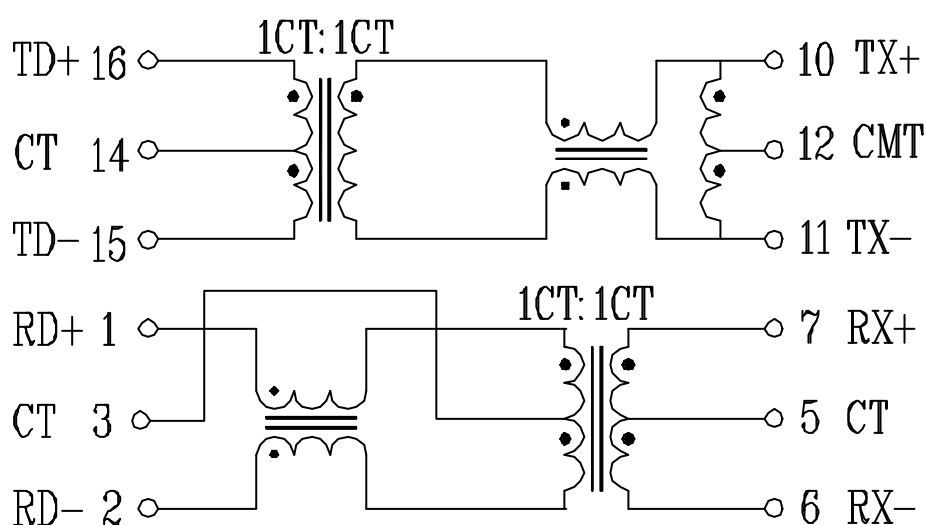
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±3%)		OCL (uH Min) @ 100KHz/0.1V with 8mA Bias	C _{www} (pF Max)	L.L (uH Max)	HI-POT (Vrms)
	TX	RX				
TS8121VLF	1CT: 1	1CT: 1CT	350	28	0.4	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)	CMR (dB Min)
	0.3MHz -100 MHz	1-30MHz	40-50MHz	60-80MHz	0.3MHz-100MHz	0.3MHz-100MHz
TS8121VLF	-1.0	-18	-15	-12	-38	-40

Schematic



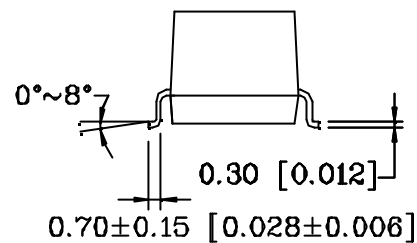
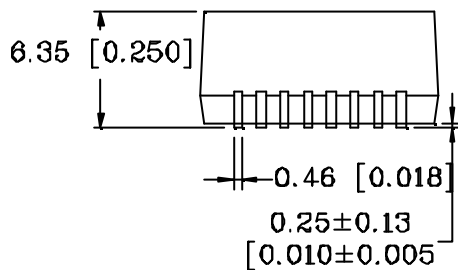
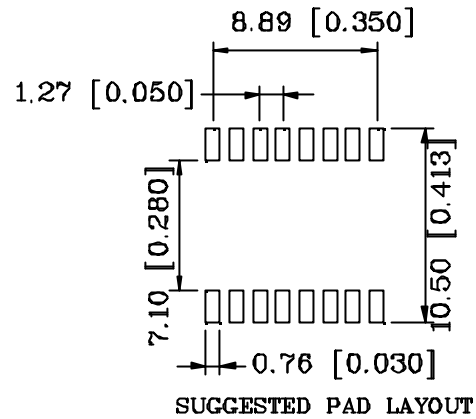
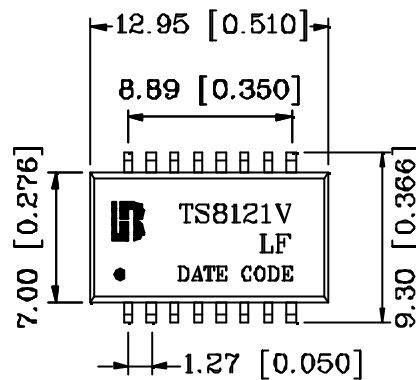
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Mechanical



Units: mm[Inches] Tolerances: xx.x0 $\pm$ 0.25[0.010]
0.xx $\pm$ 0.05[0.002]