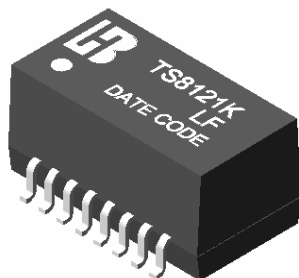


**10/100 BASE PULSE TRANSFORMER****P/N: TS8121K LF DATA SHEET**

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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		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	C _{ww} (pF Max)	L.L (uH Max)	DCR (Ω Max)		Insertion Loss (dB Max) 0.3-100MHz	HI-POT (Vrms)
	TX	RX				1-3/11-9	16-14/6-8		
TS8121K LF	1CT:1	1CT:1CT	350	28	0.5	0.9	1.1	-1.15	1500

Continue

Part Number	Return Loss (dB Min)				Cross talk (dB Min)			DCMR (dB Min)		
	0.3-30MHz	40MHz	50MHz	60-80MHz	0.3-30MHz	60MHz	80-100MHz	0.3-30MHz	60MHz	100MHz
TS8121K LF	-18	-15.5	-13.0	-12	-50	-45	-40	-42	-35	-30

Schematic**Mechanical**