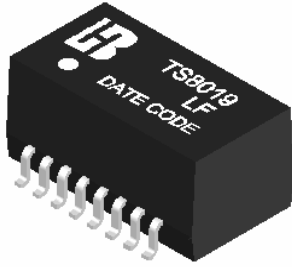




### 10/100 BASE-TX VOICE OVER IP MAGNETICS MODULES

### P/N: TS8019 LF DATA SHEET

#### Feature



- IEEE 802.3/ANSI X3.263 compliant performance.
- 350mA current capability.
- Designed to for IP phone or switch applications.
- Compact footprint.
- Comply with RoHS requirements-whole part No Cd, No Hg, No Cr6+, No PBB and PBDE and No Pb on external pins.
- Operation temperature range: 0 to +70 .
- Storage temperature range: -25 to +125 .

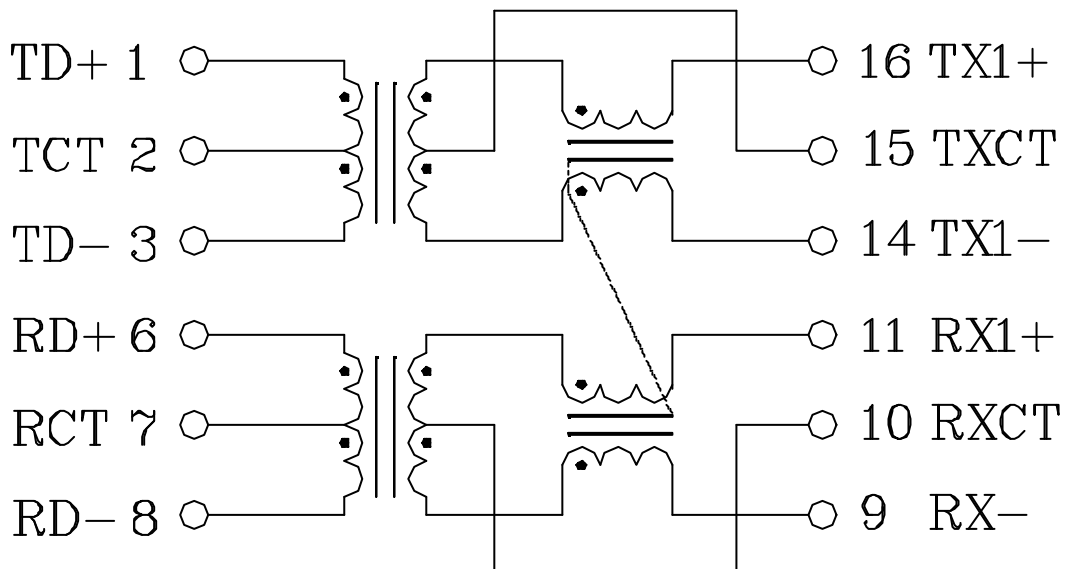
#### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%) TX/RX	OCL (uH Min) @ 100KHz/0.1V with 8mADC Bias	Cross talk (dB Min)		HI-POT (Vrms)
			0.3-60MHz	60-100 MHz	
TS8019 LF	1CT:1CT	350	-45	-35	1500

#### Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ 100O				DCMR (dB Min)		
		0.3-100 MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz
TS8019 LF	-1.2	-16	-14	-13	-12	-40	-35	-30

#### Schematic

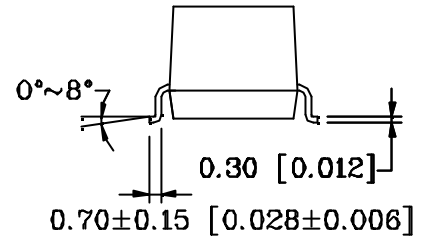
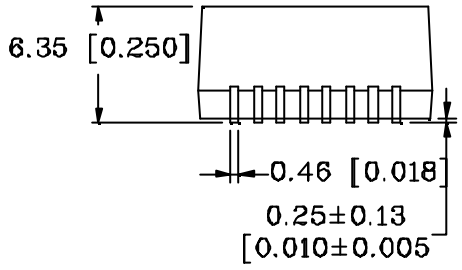
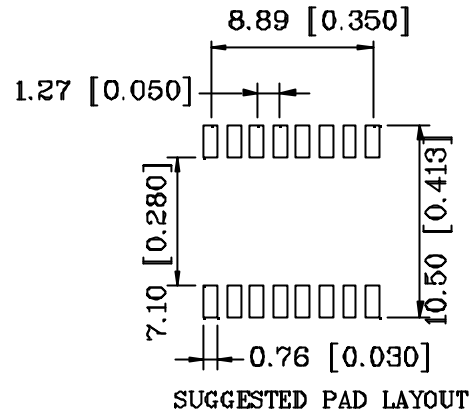
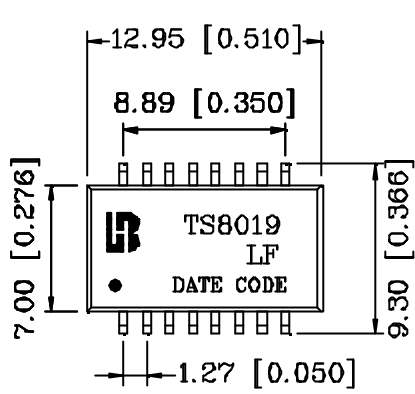




10/100 BASE-TX VOICE OVER IP MAGNETICS MODULES

P/N: TS8019 LF DATA SHEET

Mechanical



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