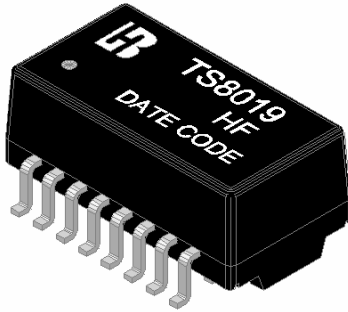


**10/100 BASE-TX VOICE OVER IP
MAGNETICS MODULES
P/N: TS8019 HF DATA SHEET**



Feature

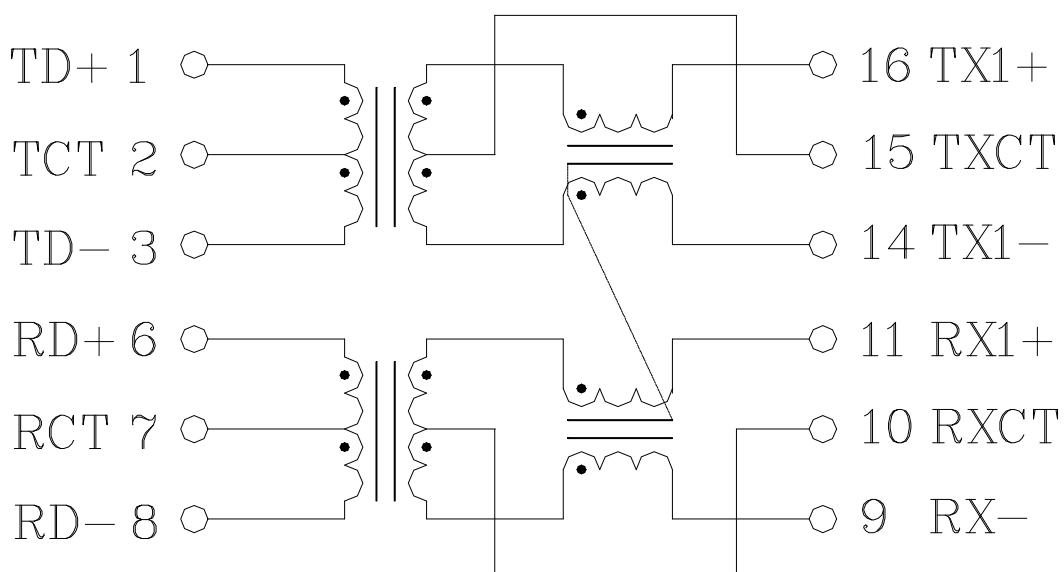


- IEEE 802.3/ANSI X3.263 compliant performance.
- 350mA current capability.
- Designed to for IP phone or switch applications.
- Compact footprint.
- Complying with RoHS & Halogen Free requirements.
- Operation temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

Electrical Specifications @ 25°C					
Part Number	Turns Ratio (±5%) TX/RX	OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	Cross talk (dB Min)		HI-POT (Vrms)
			0.3-60MHz	60-100 MHz	
TS8019 HF	1CT:1CT	350	-45	-35	1500

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

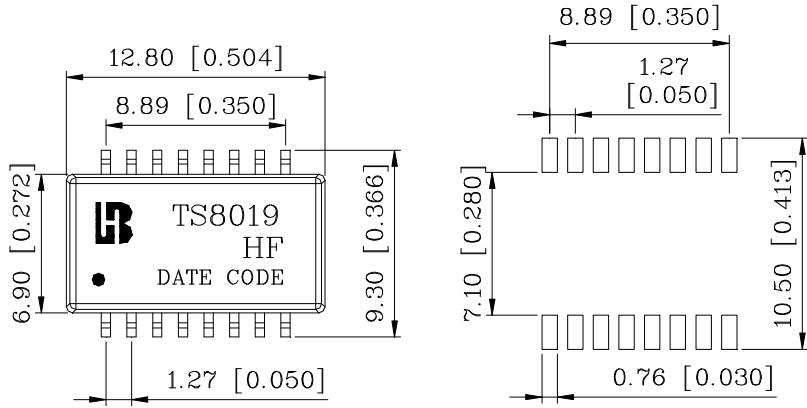
Schematic



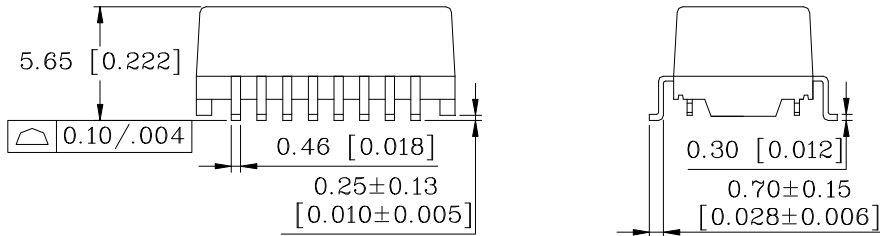
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Mechanical



SUGGESTED PAD LAYOUT



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