

Feature

- ◆ Designed to meet IEEE802.3u requirement.
- ◆ Primary inductance 350μH min. with 8mA DC Bias
- ◆ Designed for all 1 : 1 turn ratio on TX side.
- ◆ Designed to meet IR 235°C peak requirement.

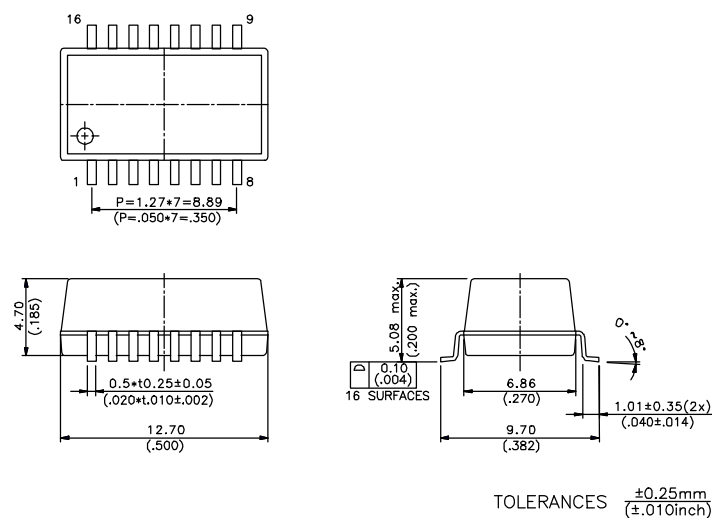
Specifications

Parameter	Condition	Min.	Typ.	Max	Unit
Inductance	Pin(1-2) & Pin(7-8)	350	Note 1		μH
Turn Ratio	Pin(1-2):(16-15)		1 : 1±2%		
	Pin(7-8) : (10-9)		1 : 1±2%		
C _{ww}	@100KHz,200mV			20	pf
Leakage inductance	@100KHz,200mV			0.4	μH
DCR	Pin(1-2) & Pin(7-8)			0.9	Ω
Insertion Loss	@100K-80MHz			-1.0	dB
Return Loss	@0.5-30MHz	-16			dB
	@30-60MHz		Note 2		dB
	@60-80MHz	-10			dB
CMRR	@0.1-80MHz	-38			dB
	@80-125MHz	-30			dB
	@125-700MHz	-20			dB
Cross Talk	@0.1-80MHz	-38			dB
	@80-125MHz	-30			dB
	@125-700MHz	-20			dB
Voltage Isolation	1 minute	1500			V _{rms}

Note 1: measured at 8mAdc over operating temperature 0~70°C

Note 2: Greater than 16-20 log(f/30 MHz)dB

Dimension



Schematic

