

## Feature

- ◆ Designed to meet IEEE802.3u requirement.
- ◆ Symmetrical TX and RX channels for auto MDI/MDIX capability.
- ◆ Primary inductance 350μH min. with 8mA DC Bias
- ◆ Designed to meet IR 235°C peak requirement.

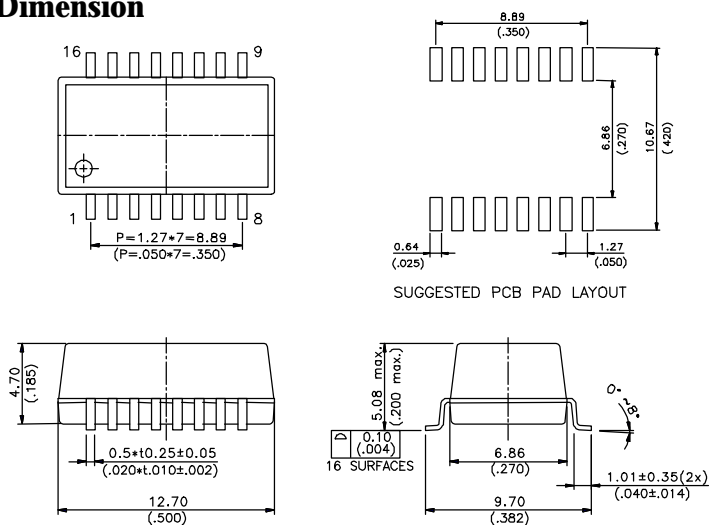
### Specifications @ 25°C

Parameter	Condition	Min.	Typ.	Max	Unit
Inductance	Pin(1-3) & Pin(6-8)	350	*Note 1		μH
Turn Ratio	Pin(1-3):(16-14)		1 : 1		
	Pin(6-8) : (11-9)		1 : 1		
Insertion Loss	@1-100MHz			-1.0	dB
Return Loss	@1-30MHz	-16			dB
	@30-60MHz		*Note 2		dB
	@60-80MHz	-10			dB
Cross Talk	@1-60MHz	-40			dB
	@60-100MHz	-38			dB
CMRR	@1-60MHz	-45/-40			dB
	@60-100MHz	-40/-35			dB
Voltage Isolation		1500			Vrms

Note 1: measured at 8mA<sub>dc</sub> over operating temperature 0~70°C

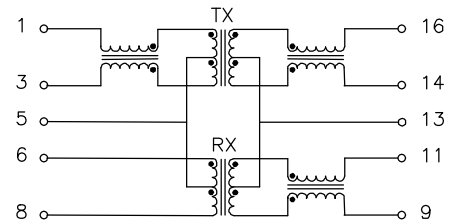
Note 2: Greater than 16-20  $\log(f/30 \text{ MHz})\text{dB}$

## Dimension

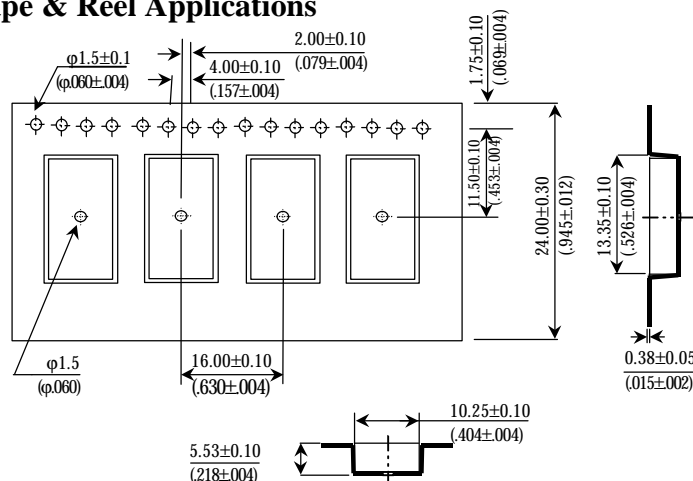


Unless otherwise specified , all tolerances are mm(inch)  $\pm 0.25(0.01)$

## Schematic



## Tape & Reel Applications



Weight .... 0.8 grams typical

Tape & reel ... ..... 750/reel

Tube ... .. 39/tube