

Feature

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

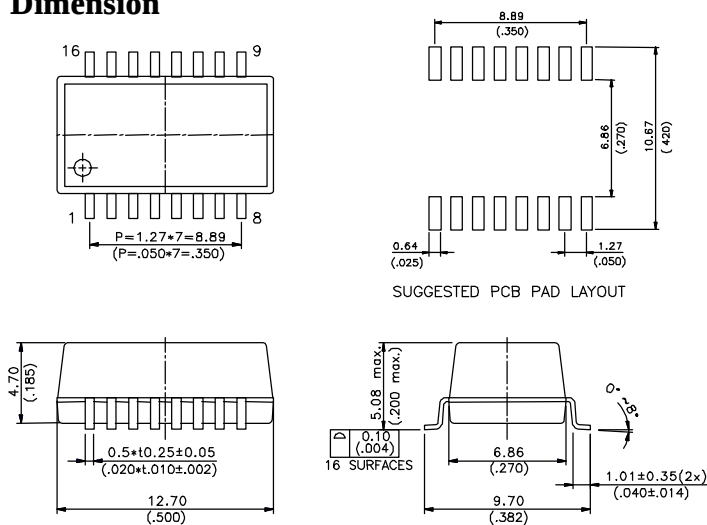
Specifications @ 25°C

Parameter	Condition	Min.	Typ.	Max.	Unit
Inductance	@100KHz,100mV, Pin(16-14) & Pin(11-9)	350	*Note 1		μH
Turn Ratio	Pin(1-3) : (16-14)		1 : 1		±5%
	Pin(6-8) : (11-9)		1 : 1		±5%
Leakage inductance				0.5	μH
Interwinding Capacitance				28	pF
DCR	Pin(1-3)& Pin(6-8)			0.7	Ω
	Pin(16-14)& Pin(11-9)			1.1	Ω
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 8mAdc over operating temperature 0~70°C

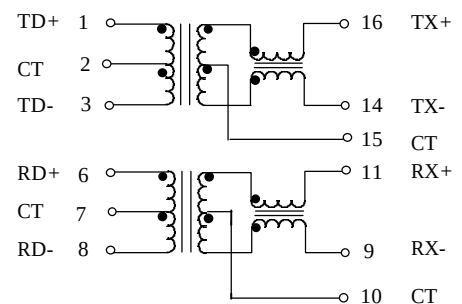
Note 2: Greater than $16-20 \log(f/30 \text{ MHz})\text{dB}$

Dimension

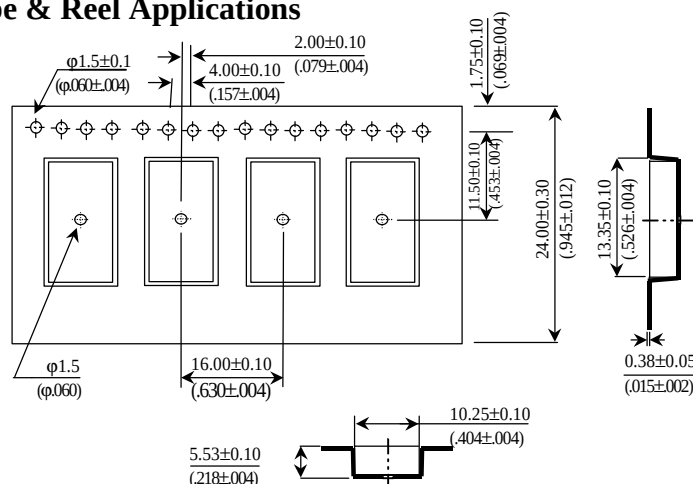


Unless otherwise specified , all tolerances are mm(inch) $\pm 0.25(0.01)$

Schematic



Tape & Reel Applications



Weight 0.8 grams typ

Tape & Reel750/reel

Tube 39/tube