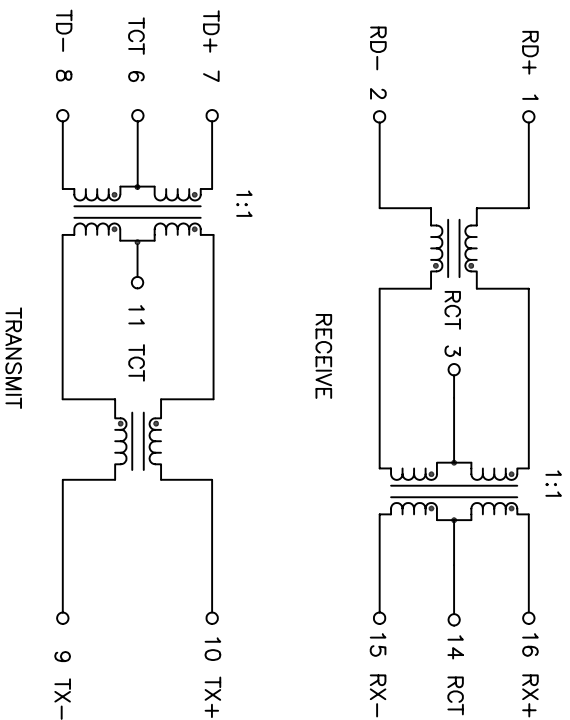


ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C – 70 °C		
TURNS RATIO	1 : 1 ±2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1–125 MHz	
	–1.2 dB MAX	–0.2–0.002* $f^{1.4}$ dB MAX	
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1–30 MHz	30–60 MHz	60–80 MHz
	–16 dB MIN	–10+20*LOG ₁₀ (f /60 MHz) dB MIN	–10 dB MIN

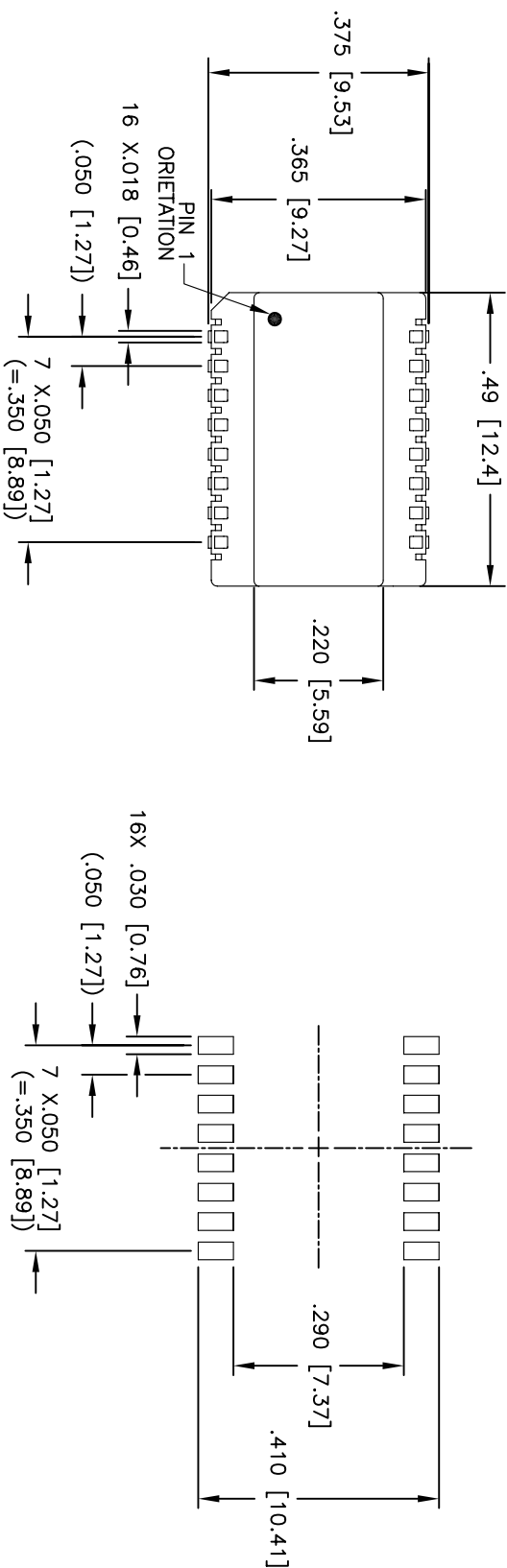


INDUCTANCE (OCL) (MEDIA SIDE, 0°C–70°C)	350 μ H MIN	(MEASURED AT 100 KHz, 100 mVRMS) (AND WITH 8 mA DC BIAS)
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz
	–50 dB MIN	–55+22*LOG ₁₀ (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30–200 MHz
	–50 dB MIN	–15+20*LOG ₁₀ (f/200) dB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX	
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATSHEET REV.
MDL,SIN,100D,1:1,SM,TU	H0013FNL–10	PS–2762.001–A	2 OF 3	H0013FNL	A



SUGGESTED LAND PATTERN

DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX = ±.01 [±0.25]
.XXX = ±.005 [±0.13]

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MDL,SIN,100D,1:1,SM,TU	H0013FNL-10	PS-2762.001-A	3 OF 3	H0013FNL	A