



1000 BASE –T MAGNETICS MODULES

P/N: ML24S02THF

- Feature :
- Designed for Ethernet 100/1000 BASE-T, full duplex applications.
 - IEEE802.3af Type 1 POE/ANSI X3.263 compliant performance.
 - Meet 350mA current capability.
 - Cable interface for isolation and low common mode emissions.
 - Comply with ROHS and Halogen Free requirement.
 - Operating temperature range: -40°C to +85°C.
 - Storage temperature range: -25°C to +125°C.
 - Meet POE Compliant 15.4W Max./Pair, Total 30.8W Max.

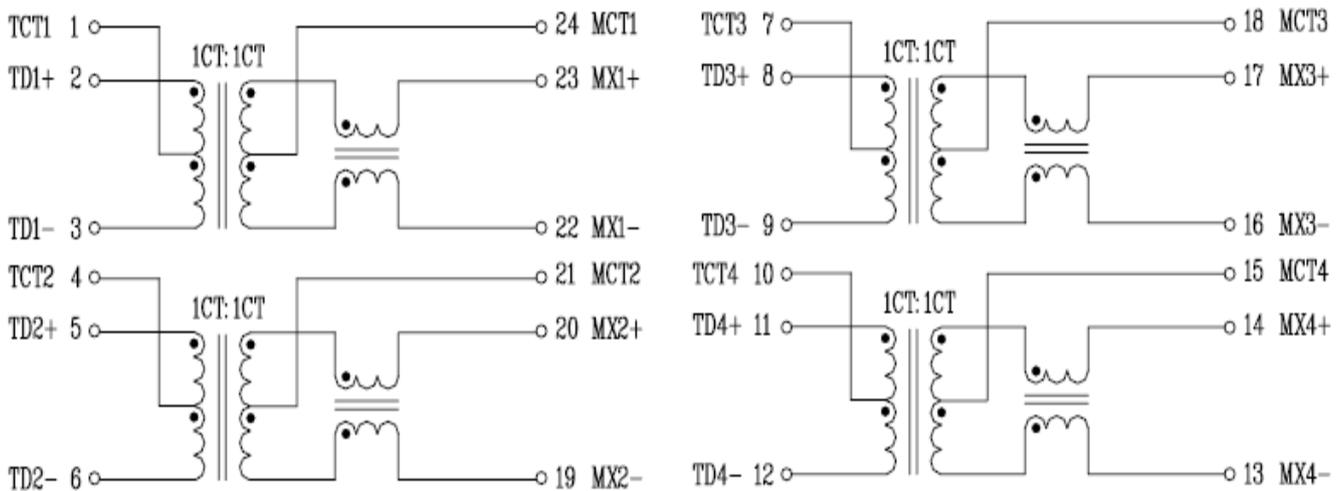
Electrical Specifications @ 25°C

Part Number	Turn Ratio (±5%)		OCL (uH Min) @100KHz/0.1V With 8mA DC Bias	Cross talk Attenuation (dB Min)			HI-POT (Vrms)
	Tx	Rx		30MHz	60MHz	100MHz	
ML24S02THF	1CT:1CT	1CT:1CT	350	-45	-40	-35	1500

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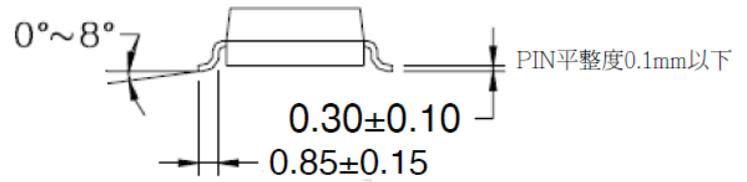
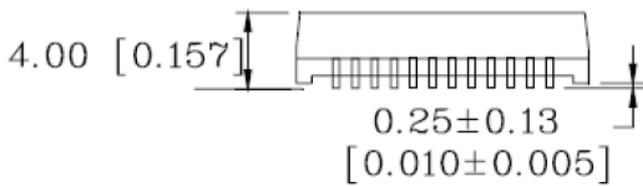
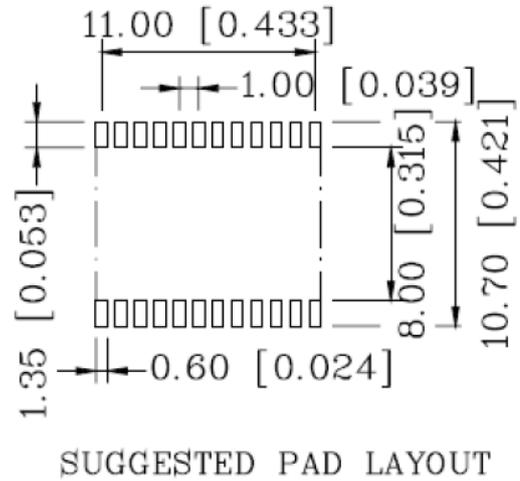
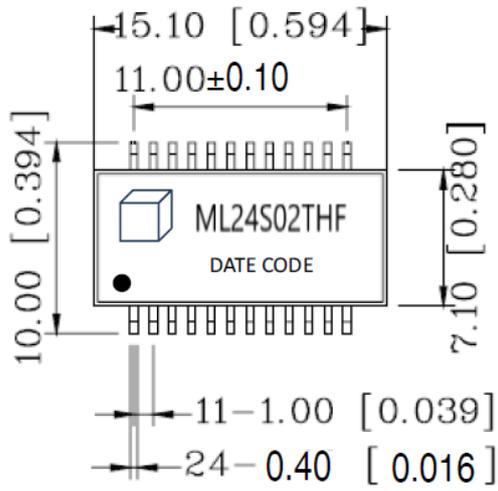
Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)@Load 100Ω					DCR (Ω Max)	DCR Balance (Ω)	DCMR (dB Min)		
	Tx	Rx	1-30MHz	40MHz	50MHz	60-80MHz	100MHz			30MHz	60MHz	100MHz
ML24S02THF	-1.0	-1.0	-18	-14.4	-13.1	-12	-10	1.2	±0.05	-40	-35	-30

Schematic





Mechanical



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