



1000 BASE –T MAGNETICS MODULES

P/N: ML24S02HF

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: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.
- Meet POE Compliant 15.4W Max./Pair, Total 30.8W Max.

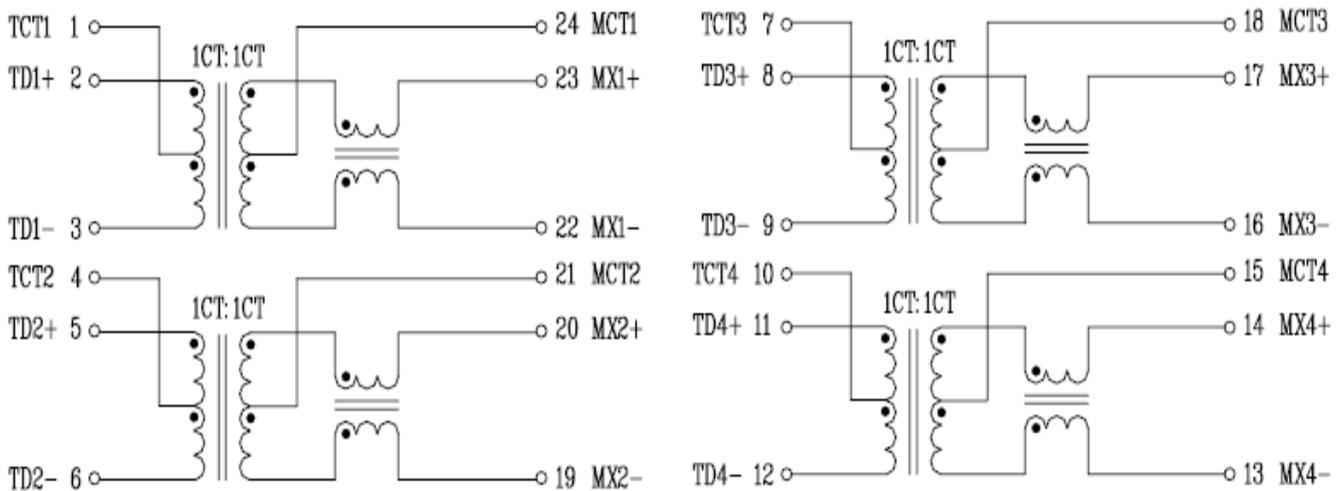
Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V With 8mA DC Bias	Cross talk Attenuation (dBMin)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
ML24S02HF	1CT:1CT	1CT:1CT	350	-45	-40	-35	1500

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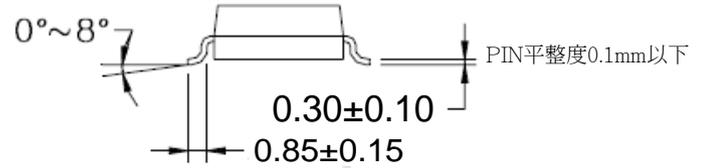
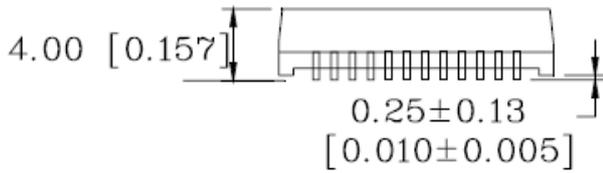
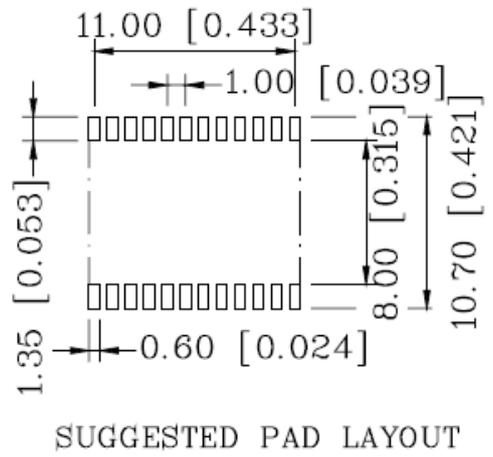
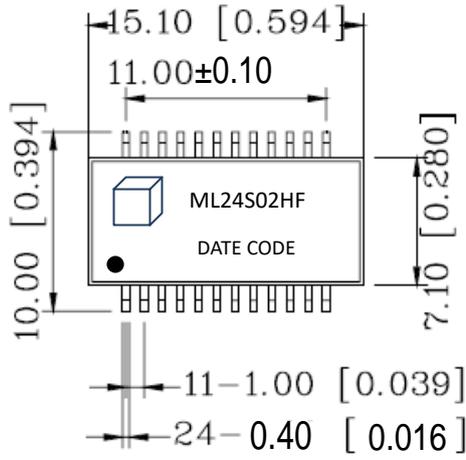
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@Load 100Ω					DCMR (dB Min)		
		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz
ML24S02HF	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30

Schematic





Mechanical



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