



1000 BASE -T DUAL PORT MAGNETICS MODULES

P/N: ML48S02HF

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Feature



- Designed for Ethernet 100/1000 BASE-T, full duplex applications.
- Supports 8 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3ab standard for 1000 BASE-T.
- POE applications with 350mA current capability.
- Comply with ROHS & Halogen Free requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

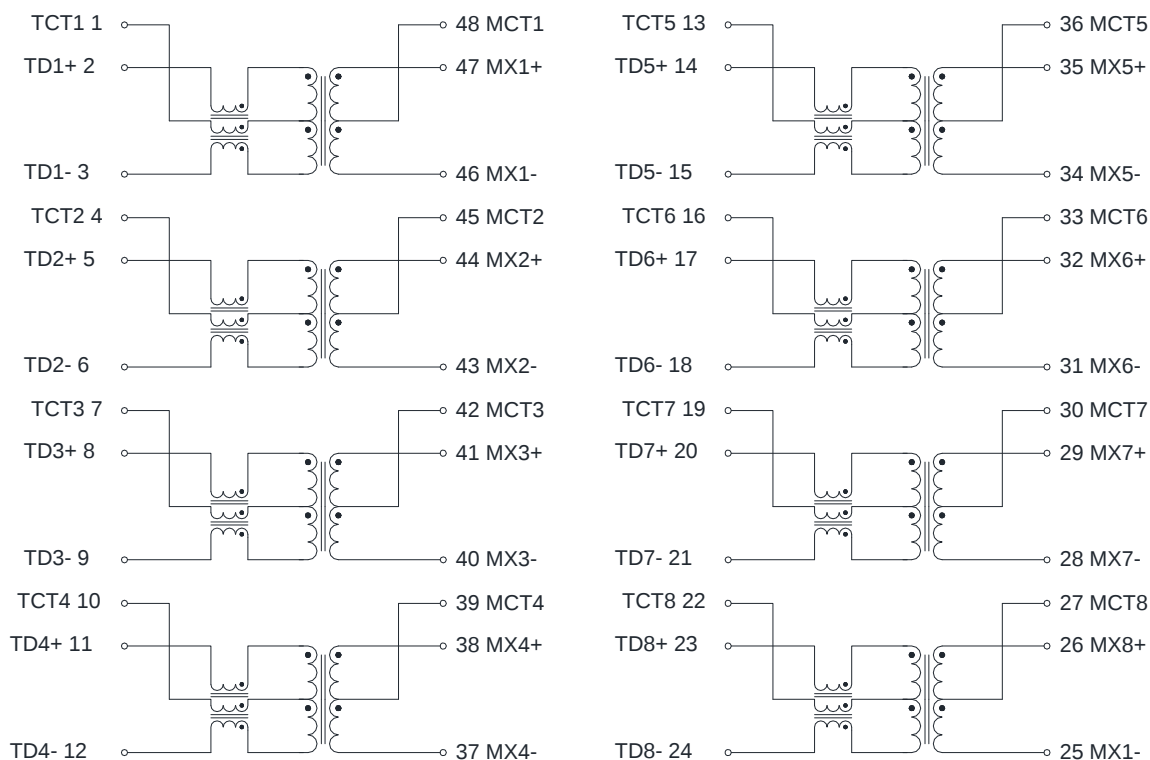
Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V With 8mA DC Bias	Cross talk Attenuation (dBMin)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
ML48S02HF	1CT:1CT	1CT:1CT	350	-40	-35	-30	1500

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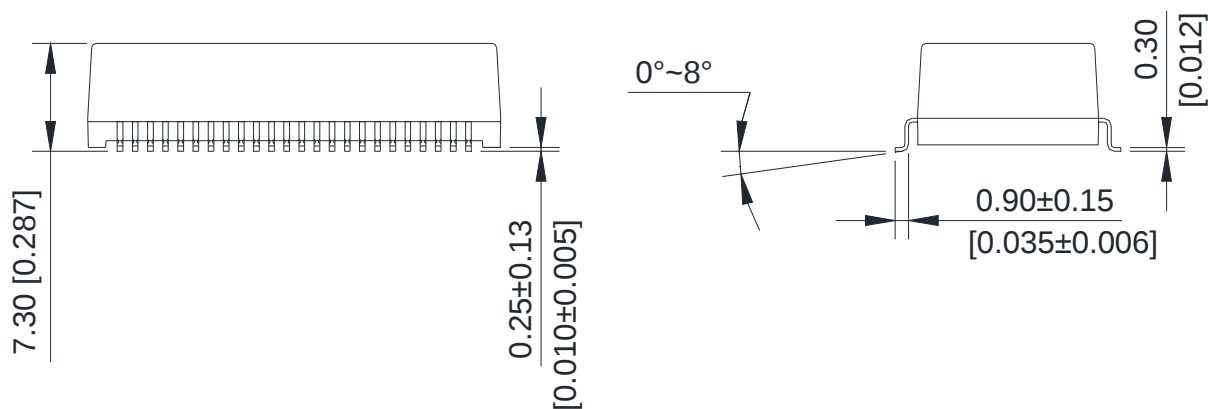
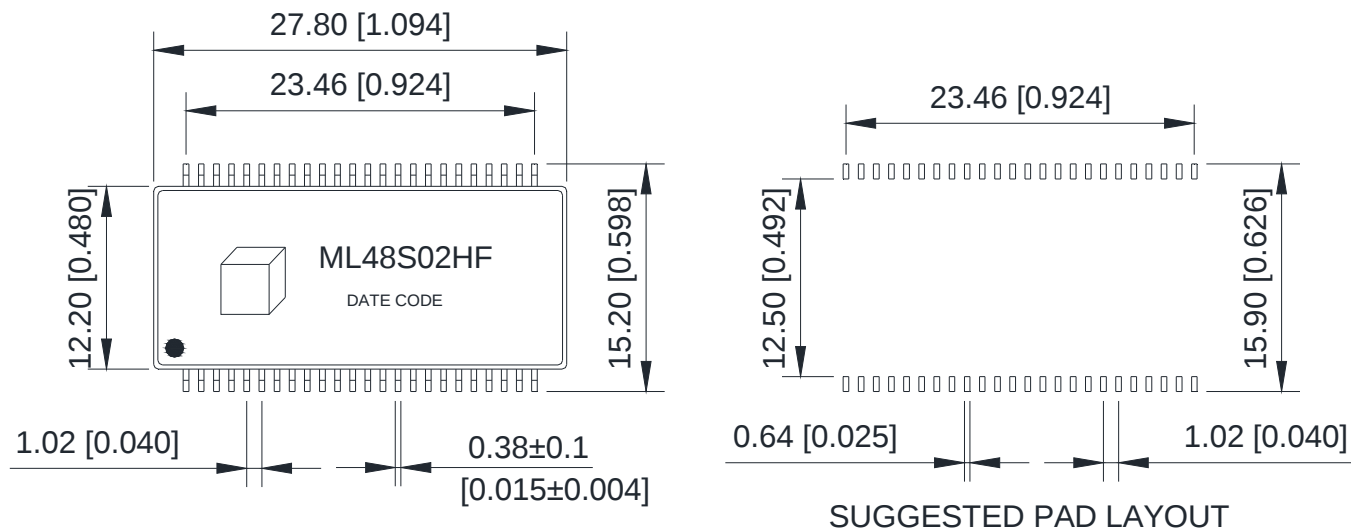
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@Load 100Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
ML48S02HF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33

Schematic





Mechanical



Units : mm [Inches] Tolerance : XX.X0±0.25 [0.010]
0.XX±0.05 [0.002]