



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.
- Compliance with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

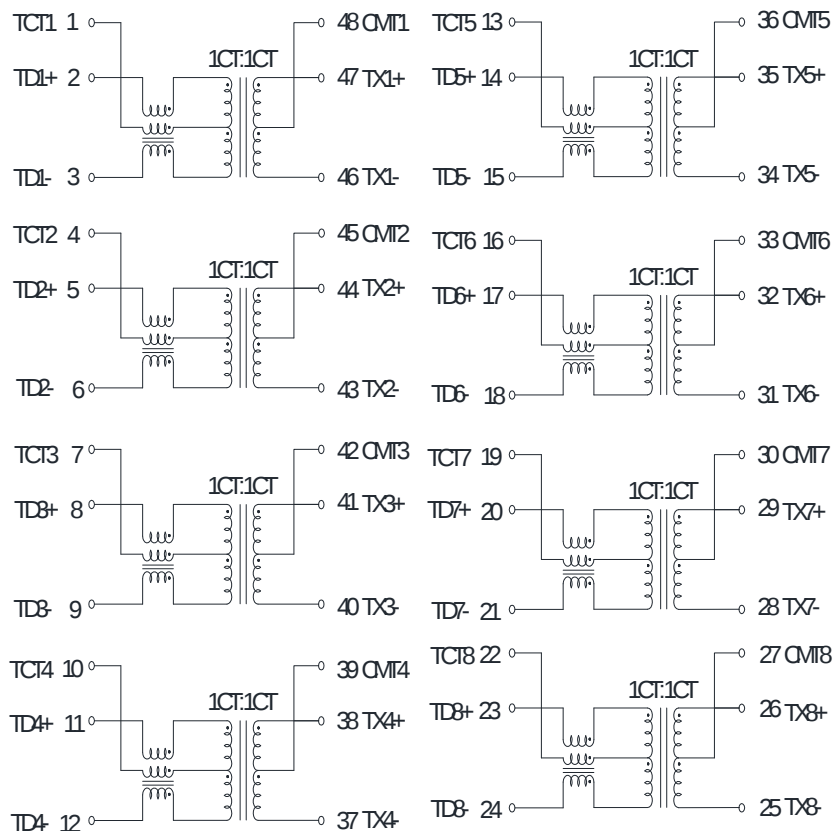
Electrical Specifications@25°C

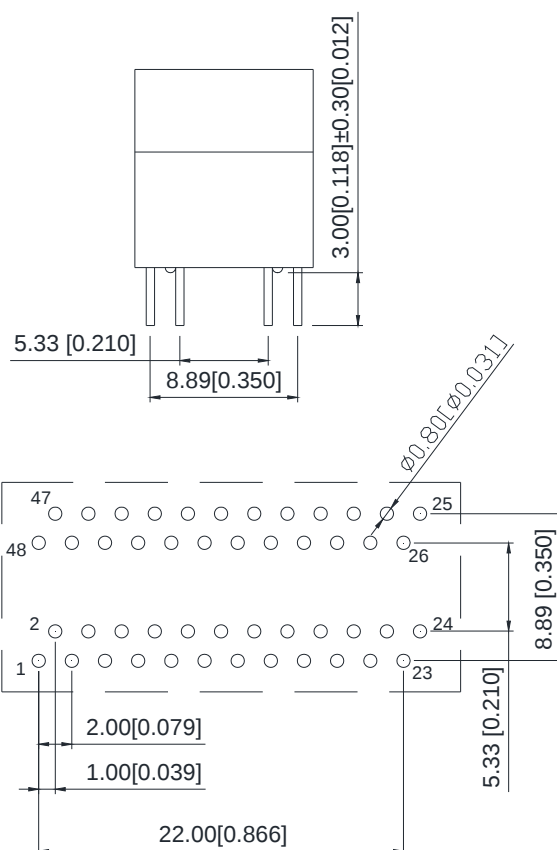
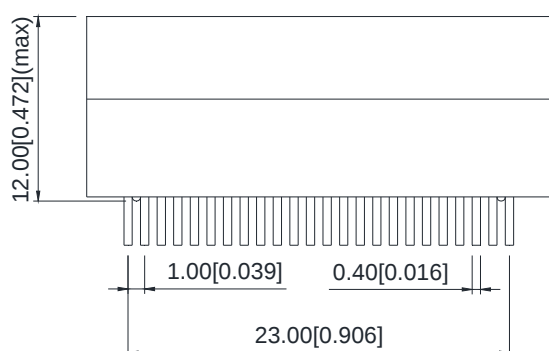
Part Number	Tums Ratio (±5%)	OCL(uH Min) @100KHz/0.1V With 8mA DC Bias	Cross talk Attenuation (dBMin)			LL (uH Max)	Cw/w (PF TYP)	DCR Ω Max
			30MHz	60MHz	100MHz			
ML48T09RS	1CT:1CT	350	-40	-35	-30	0.5	25	1.4

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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@Load 100 Ω				DCMR (dB Min)			HI-POT (Vrms)
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz	
ML48T09RS	-1.0	-16	-14.4	-13.1	-12	-40	-35	-30	1500

Schematic





Unless otherwise specified, all tolerances are ± 0.25