



10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

P/N: ML12S02HF

Feature



- Designed to meet IEEE 802.3af requirement, including 350uHMIN.
- Comply with ROHS & Halogen Free requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -10°C to +85°C.

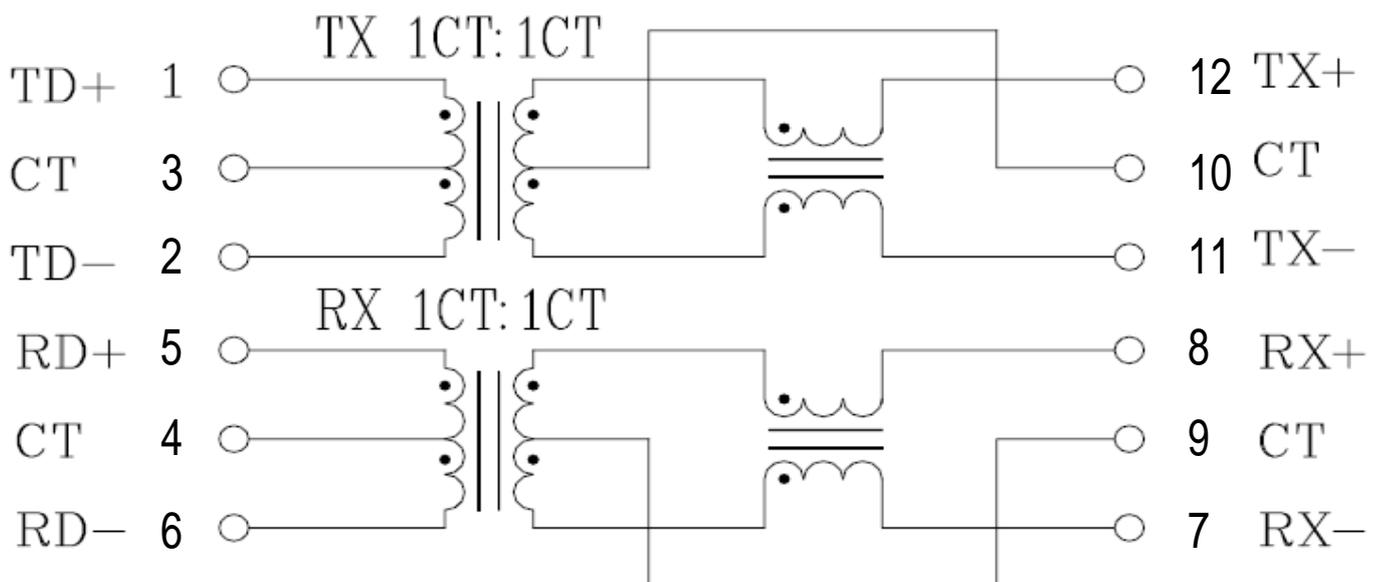
Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V	Cw/w (pF Typ)	L.L (uH Max)	DCR (Ω Max)		HI-POT (Vrms)
	1-2:12-11	5-6:8-7				1-2/5-6	11-12/7-8	
ML12S02HF	1CT:1CT	1CT:1CT	350	15	0.5	0.9	1.1	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
	1-100MHz	30MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
ML12S02HF	-1.2	-18	-12	-10	-45	-35	-40	-35	-30

Schematic

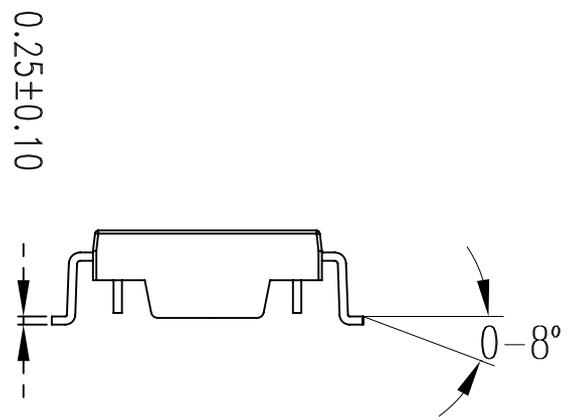
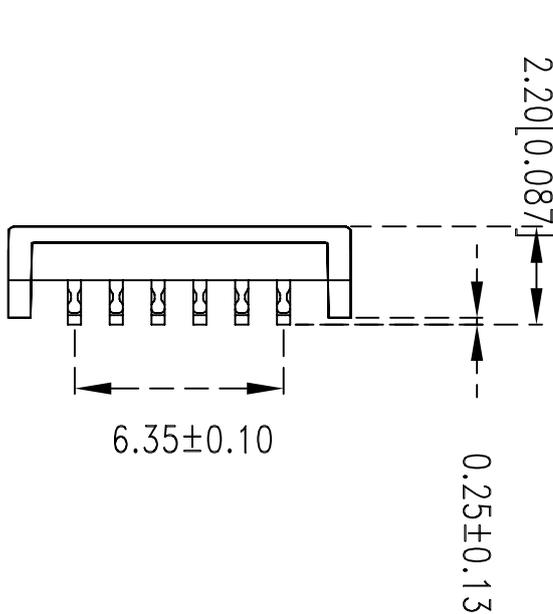
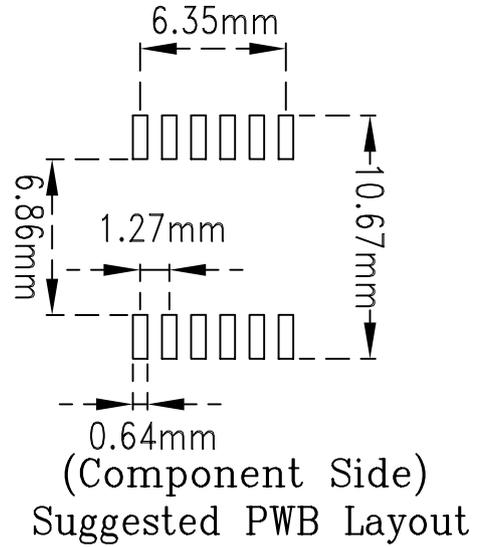
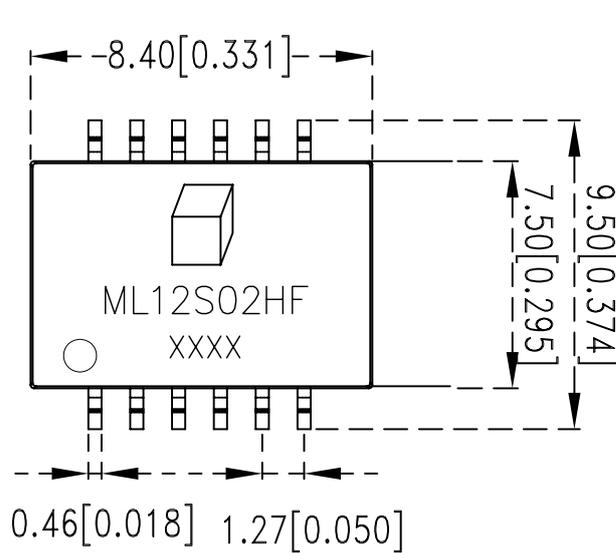




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Mechanical



Units: mm[Inches] Tolerances: XX.X0±0.25[0.010]

0.XX±0.05[0.002]