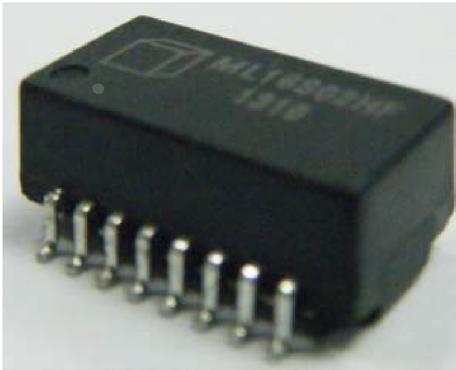




10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

P/N: ML16S02HF

Feature



- Designed to meet IEEE 802.3af requirements.
- Non-PoE Product.
- Primary inductance(Lp)350uH min.@ 100KHz,0.1Vrms,8mA .
- LL:0.35uH Max @100KHz, 0.1V
- Cww:30pF Max@100KHz, 0.1V
- Primary DCR:0.9ΩMax;Secondary DCR:1.2ΩMax.
- Operating temperature range: 0°C to +70°C
- Storage temperature range:-25°C to +125°C.

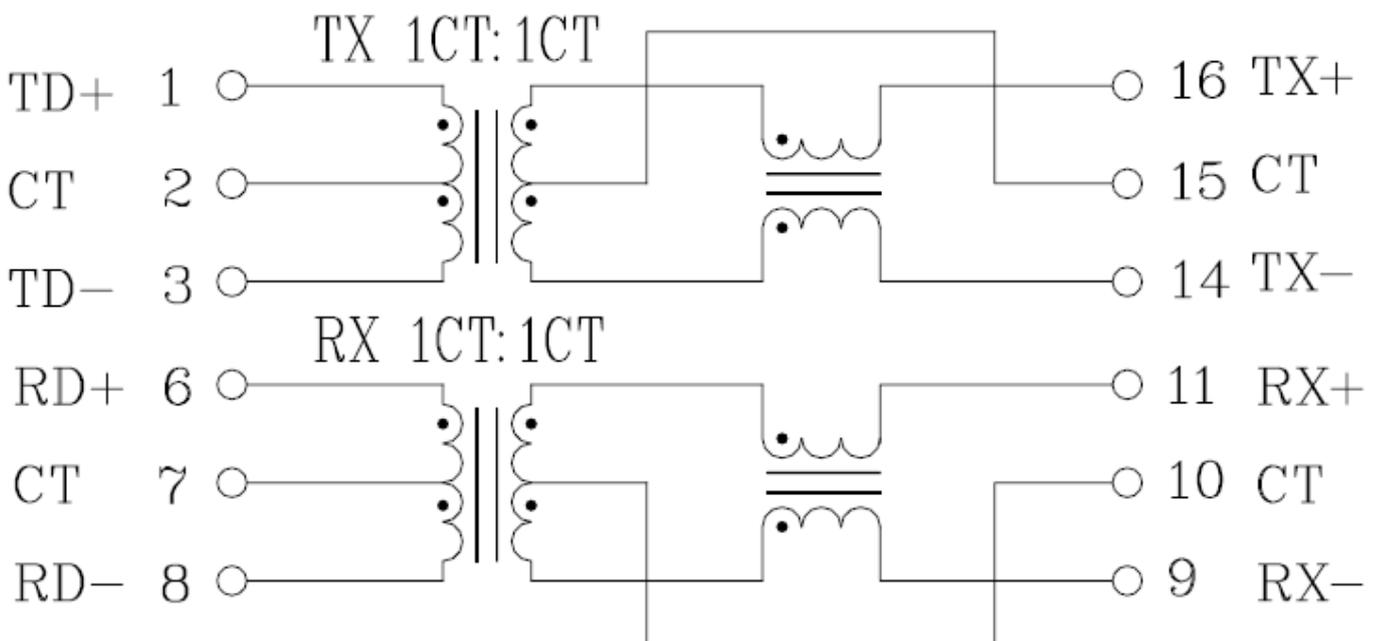
Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V With 8mA DC Bias	Cw/w (pF Typ)	L.L (uH Max)	DCR (Ω Max)		HI-POT (Vrms)
	TX	RX				1-3/6-8	16-14/11-9	
ML16S02HF	1CT:1CT	1CT:1CT	350	30	0.35	0.9	1.2	1500

Continue

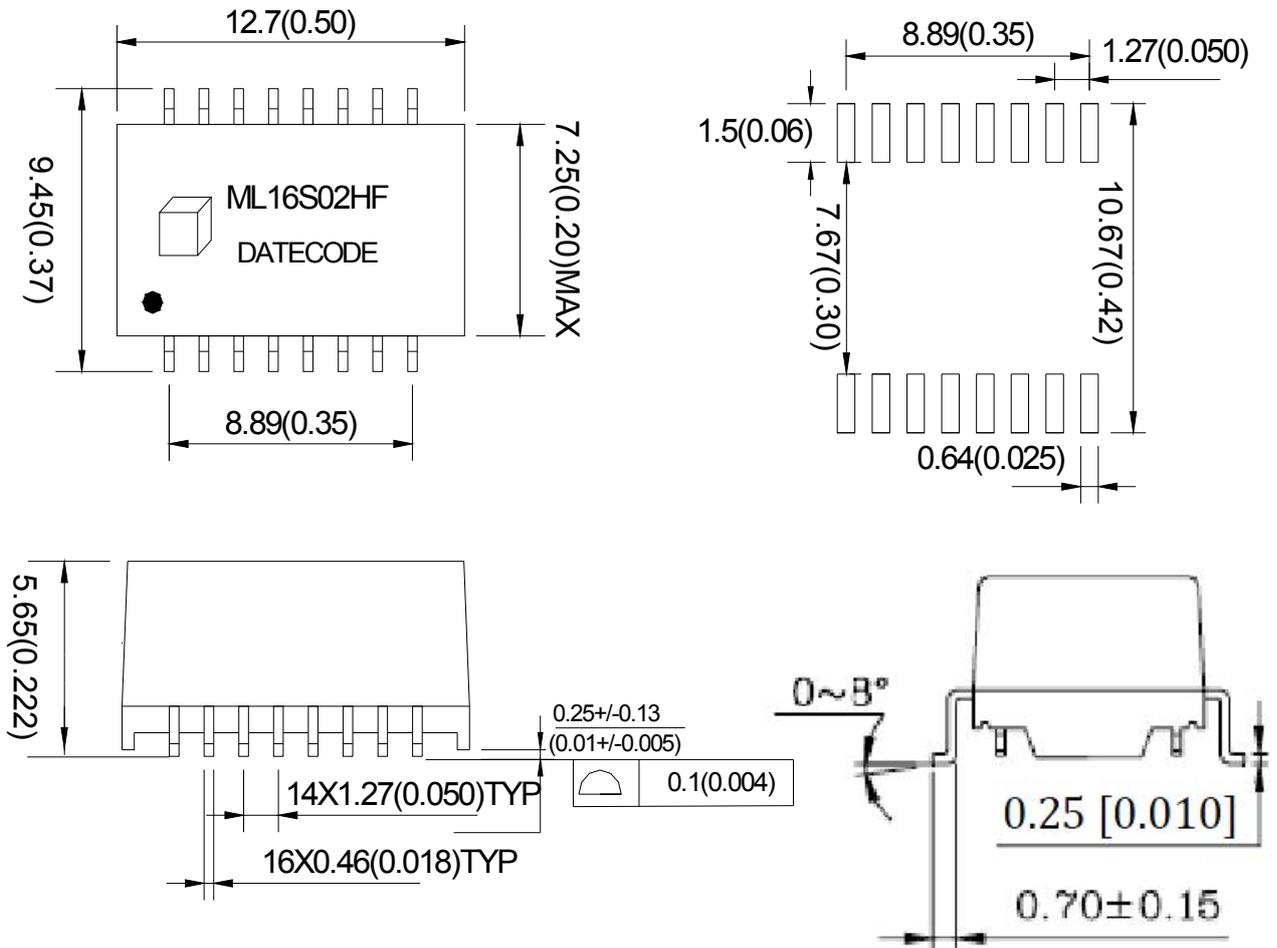
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)			DCMR (dB Min)		
	1-100MHz	30MHz	60MHz	80MHz	30MHz	60MHz	100MHz	30MHz	50MHz	100MHz
ML16S02HF	-1.1	-18	-14	-12	-45	-35	-35	-42	-37	-33

Schematic





Mechanical



Dimension: mm(inch) Unless otherwise specified , all tolerance are +/-0.25(0.01)