



1000 BASE –T MAGNETICS MODULES

P/N: ML24S04HF-1

- Feature**
- Designed for long Gigabit Ethernet 10/100/1000 BASE-T, full duplex applications.
 - Supports 4 pairs of category 5 UTP cable
 - Cable interface for isolation and low common mode emissions.
 - Compliant with IEEE 802.3ab standard
 - Comply with ROHS & Halogen Free requirements.
 - Operating temperature range: 0°C to +70°C .
 - Storage temperature range: -25°C to +85°C .

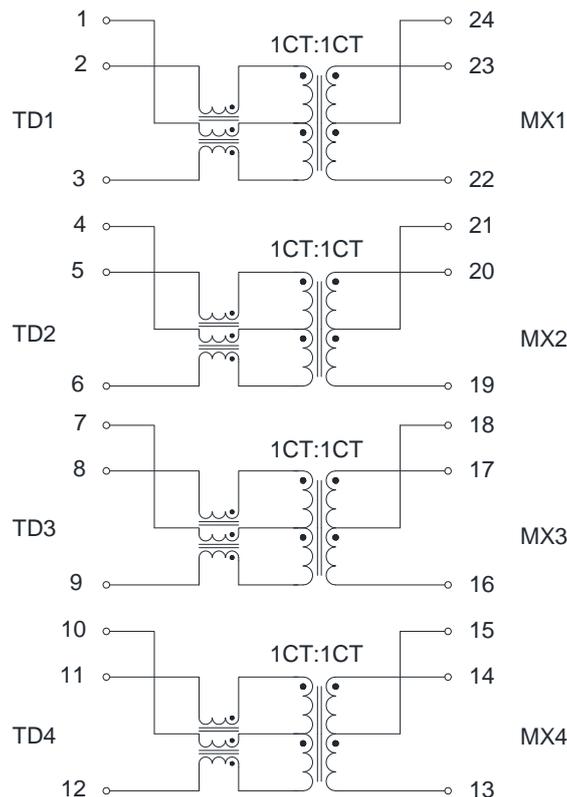
Electrical Specifications@25°C

Part Number	Tums Ratio (±5%)		OCL(uH Min) @100KHz/0.1V With 8mA DC Bias	Cross talk Attenuation (dBMin)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
ML24S04HF-1	1CT:1CT	1CT:1CT	350	-45	-40	-35	1500

Continue

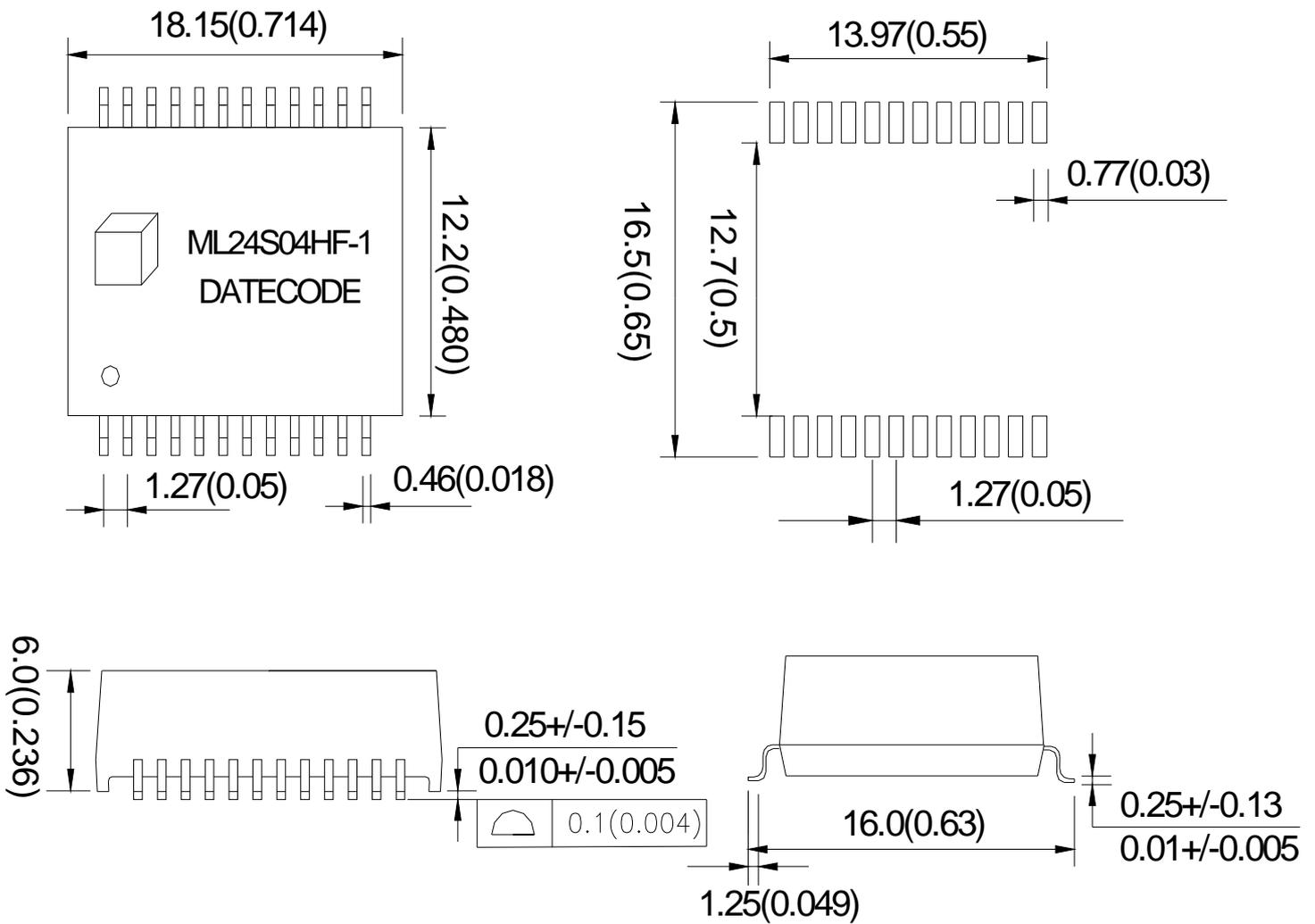
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@Load 100Ω					DCMR (dB Min)		
		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz
ML24S04HF-1	-1.0	-18	-18	-16	-12	-10	-40	-37	-33

Schematic





Mechanical



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