



**2.5G BASE –T MAGNETICS MODULES**  
**P/N: ML24S33TRS**

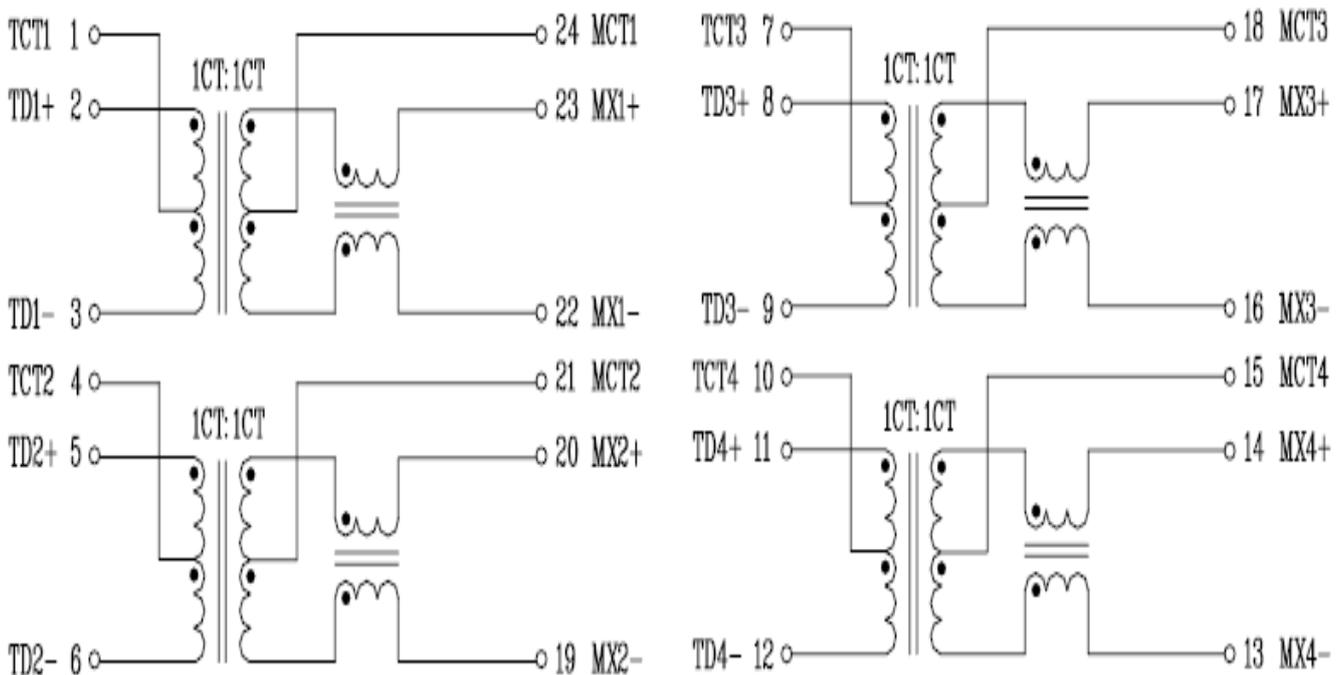
**Feature**

- Designed for Ethernet 100/1000/2.5G BASE -T
- Compliant with IEEE 802.3af standard for 100/1000/2.5G BASE -T.
- Primary inductance(Lp)120uH min.@ 100KHz,0.1Vrms,8mA .
- Cable interface for isolation and low common mode emissions
- Designed for reflow soldering at temperatures up to 260°C .
- Storage Temperature -40°C to +85°C.

Electrical Specifications@25°C . Operating Temperature -40°C to +85°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		1MHz	100MHz	400MHz	
ML24S33TRS	1CT:1CT	1CT:1CT	120	-35	-35	-30	1500

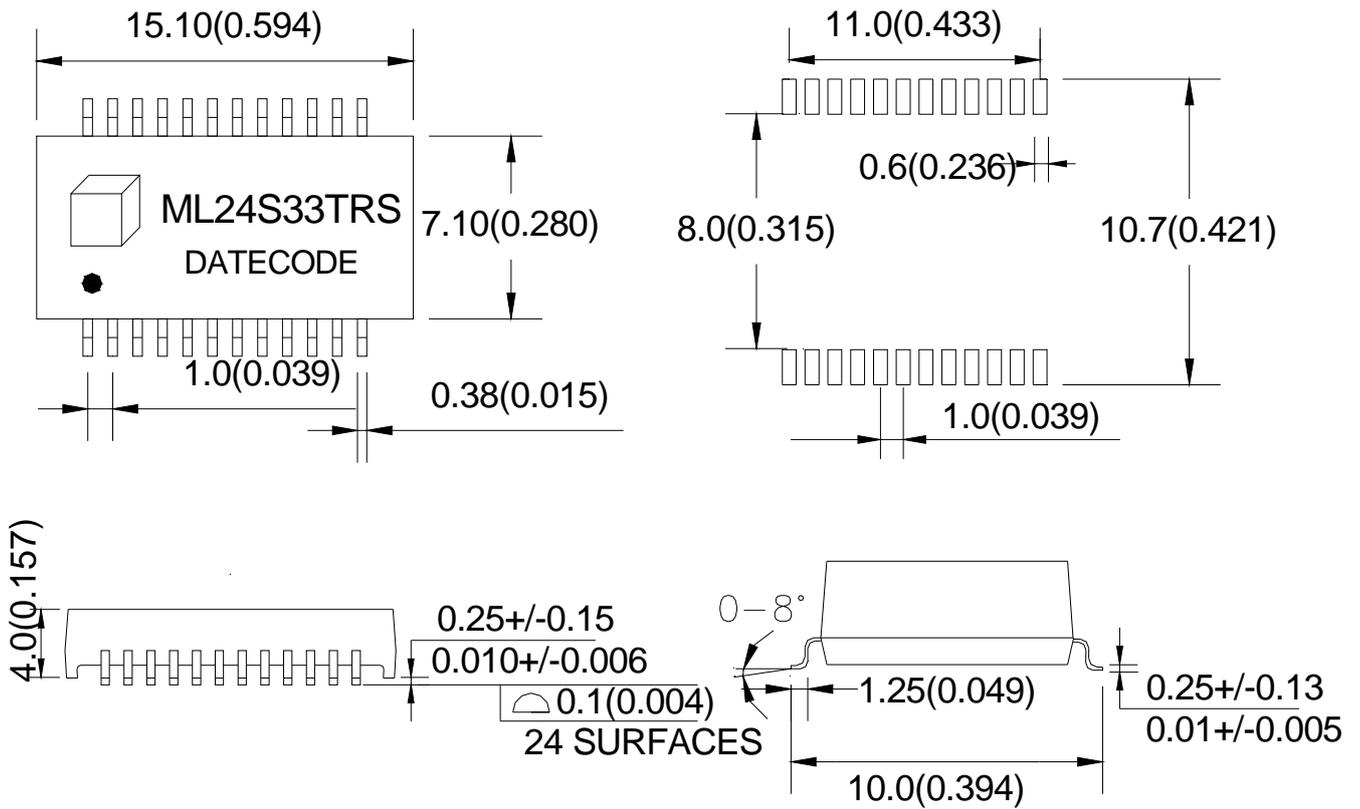
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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@Load 100Ω					CMRR (dB Min)		
		1-250MHz	1-40MHz	60MHz	80MHz	150MHz	250MHz	30MHz	100MHz
ML24S33TRS	-3.0	-18	-16	-14	-10	-6	-40	-33	-12

**Schematic**





Mechanical



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