



Feature



- Designed to Support 10G BASE-T Transceivers
- Compliant with IEEE 802.3 standard
- Low profile package for PCI Express
- RoHS&Haloger compliance and peak reflow temperature rating 260°C
- Operating Temperature -40°C to 85°C
- Storage temperature -0°C to 70 °C

Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V 8mA DC BIAS	HI-POT (Vrms)
	TX	RX		
ML24S117TRS	1CT:1CT	1CT:1CT	160	1500

Insertion Loss

1MHZ -1.0 dB Max

400MHZ -1.5 dB Max

500MHZ -2.5 dB Max

Return Loss

1MHz -18 dB Min

40MHz -25 dB Min

100MHz -25 dB Min

200MHz -20 dB Min

300MHz -15 dB Min

400MHz -10 dB Min

500MHz - 6 dB Min

CM to CM Attenuation

1MHZ -22 dB Min

500MHZ -20 dB Min

Cross Talk

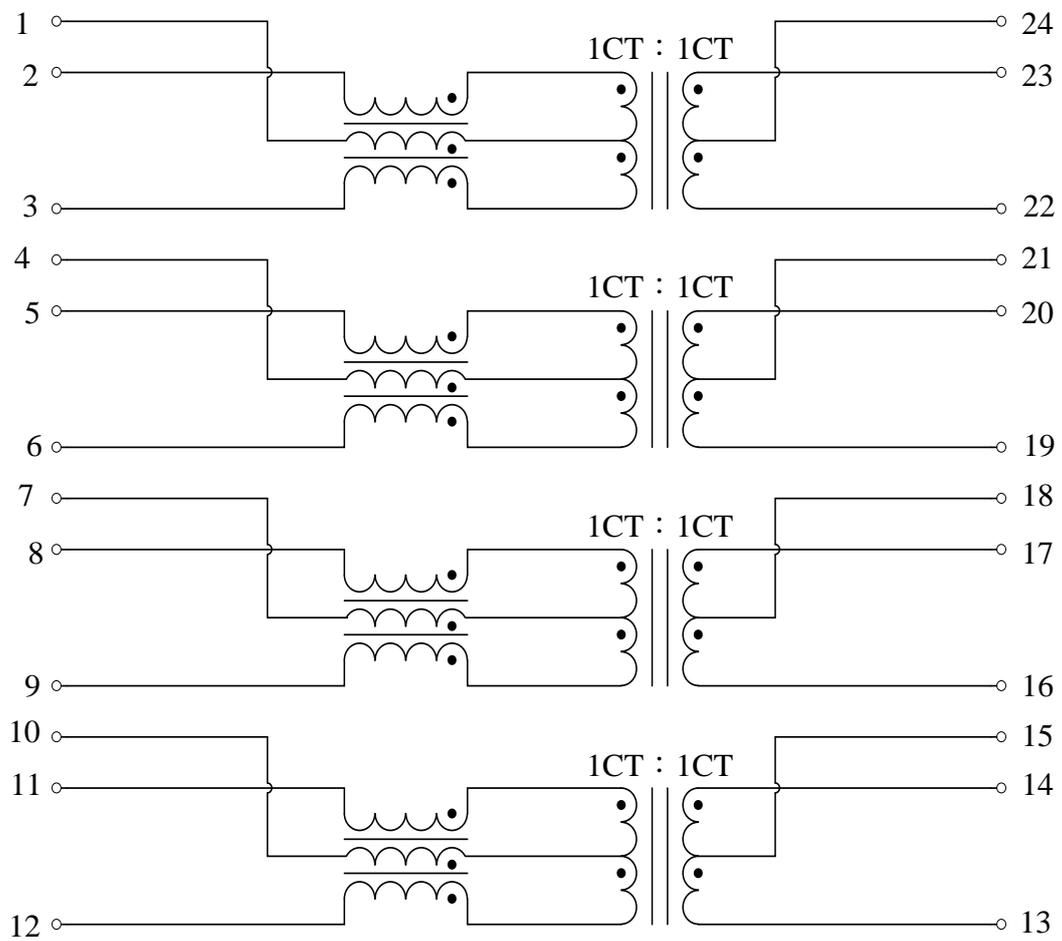
1MHZ -34 dB Min

100MHZ -23 dB Min

500MHZ -23 dB Min

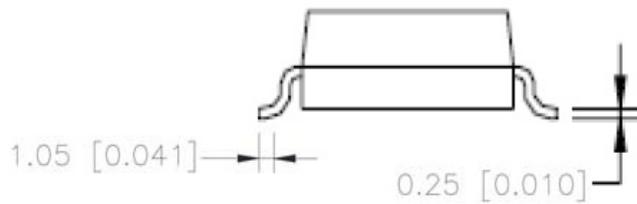
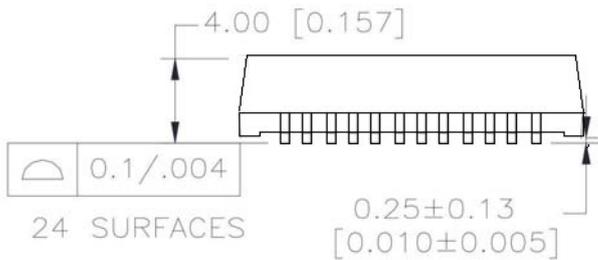
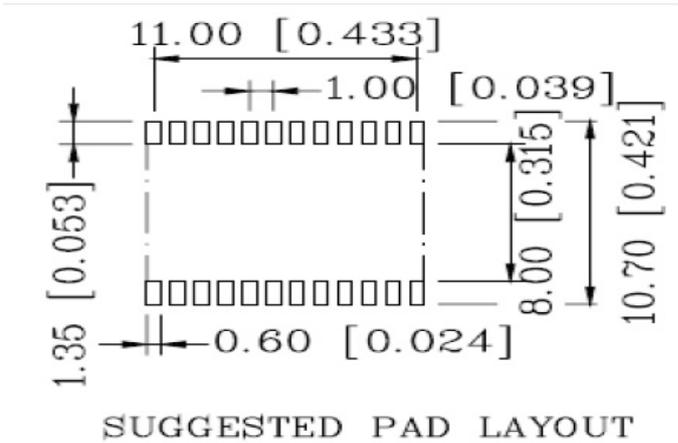
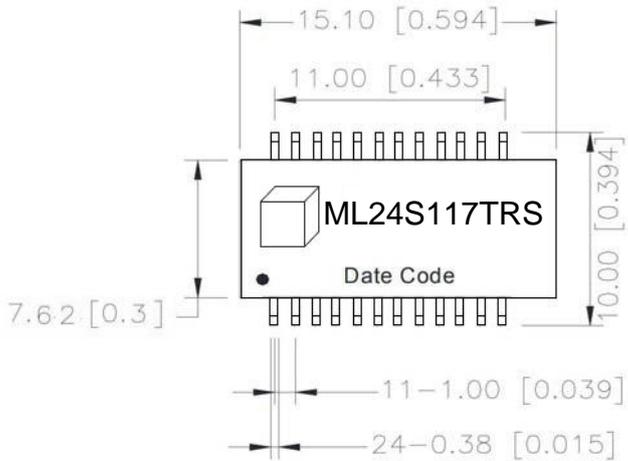


Schematic





Mechanical



Dimension:mm(inch)

Unless otherwise specified , all tolerance are +/-0.25(0.01)