



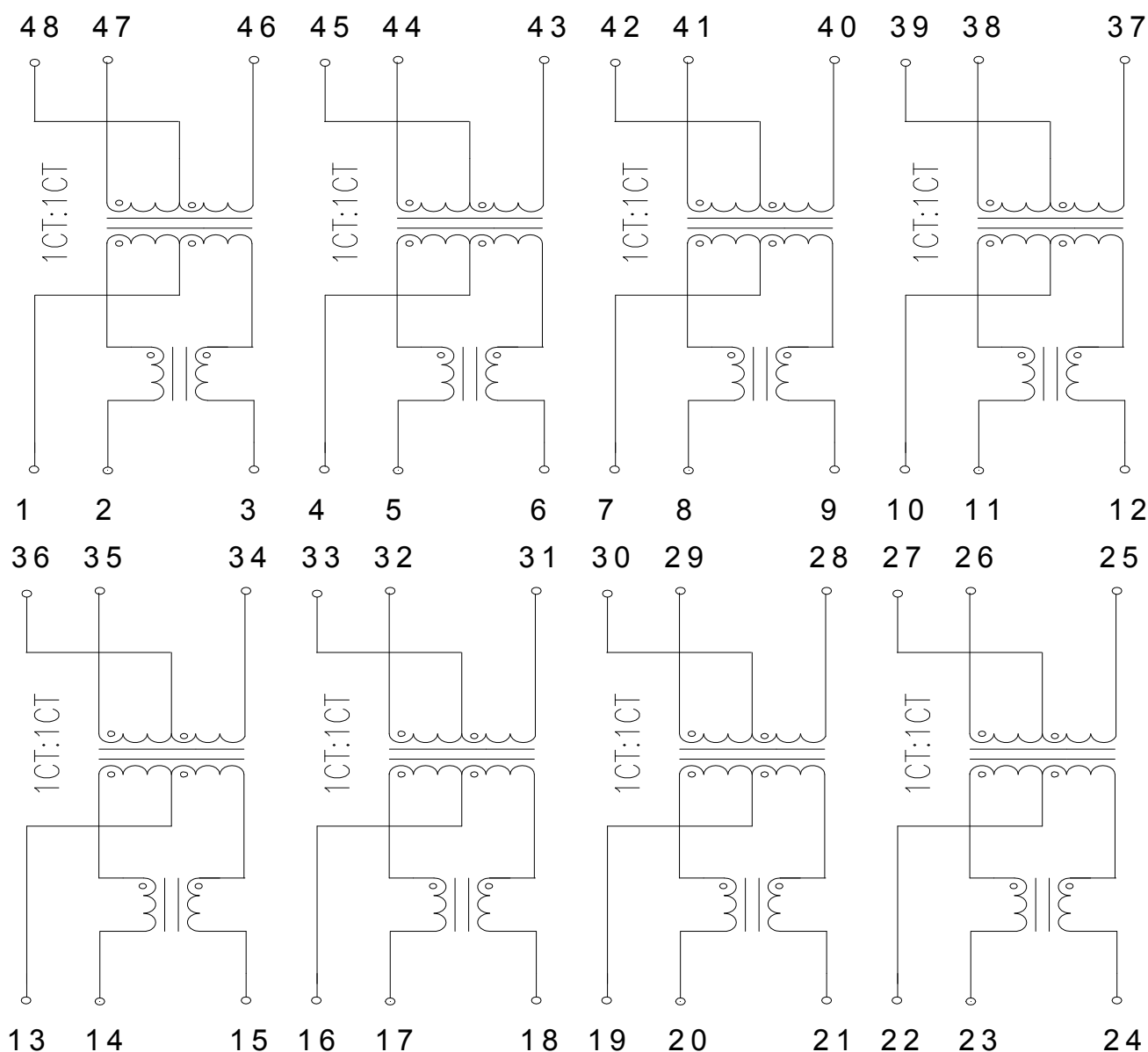
Feature

- Compliant with IEEE 802.3at standard for 1000Base-T.
- Suitable for PoE applications (720mA@57V continuous).
- Primary inductance (L_p) 350uH min. @ 100KHz, 0.1Vrms, DC 8mA
- Capacitance between windings (C_{ww}) 30pF Max (at 100kHz, 0.1V).
- Leakage Inductance (L_L) 0.6uH Max (at 100kHz, 0.1V). DCR 1.2 Ω Max.
- Designed for reflow soldering at temperature 260°C Max.
- Storage temperature -25°C to +125°C.

Electrical Specification @ 25°C Operating Temperature -40°C to +85°C

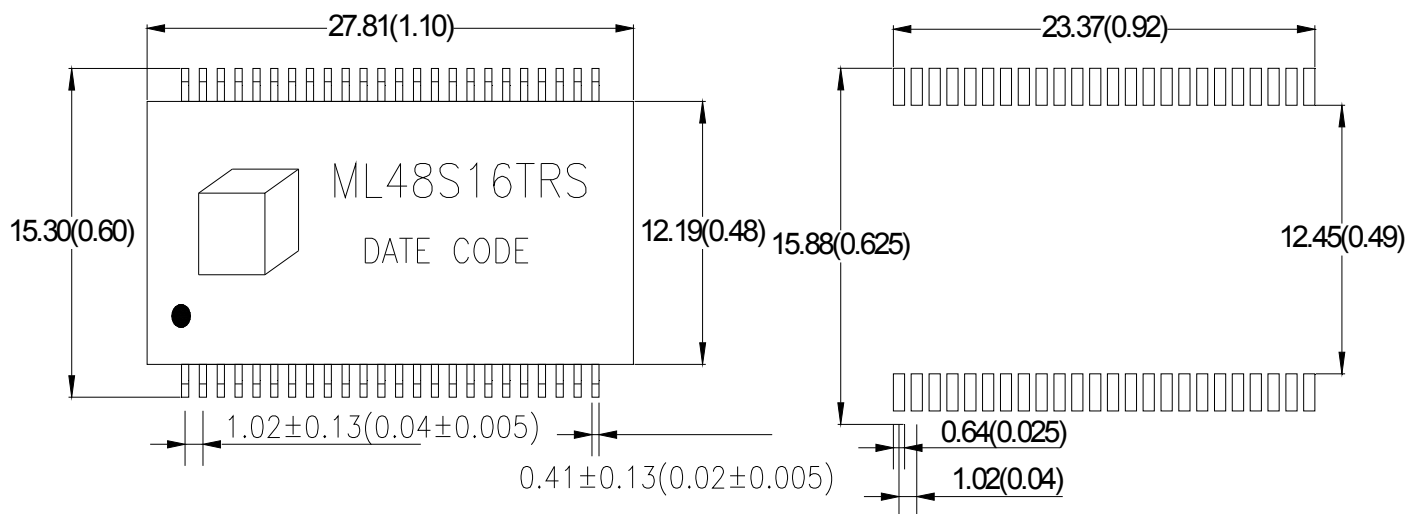
Part No.	Insertion Loss (dB max) 1-100MHz	Return Loss (dB min.) MHz					CMR (dB Min.) MHz		Crosstalk (dB Min.) MHz			CDMR (dB min) MHz			Isolation Voltage (Vrms)
		2-30MHz	40MHz	50MHz	60-80MHz	100MHz	1-60MHz	60-100MHz	30MHz	60MHz	125MHz	1MHz	60MHz	125MHz	
ML48S16TRS	-1	-18	-17	-16	-12	-10	-37	-25	-45	-40	-35	-45	-40	-35	1500VAC/1mA/2s

Schematic

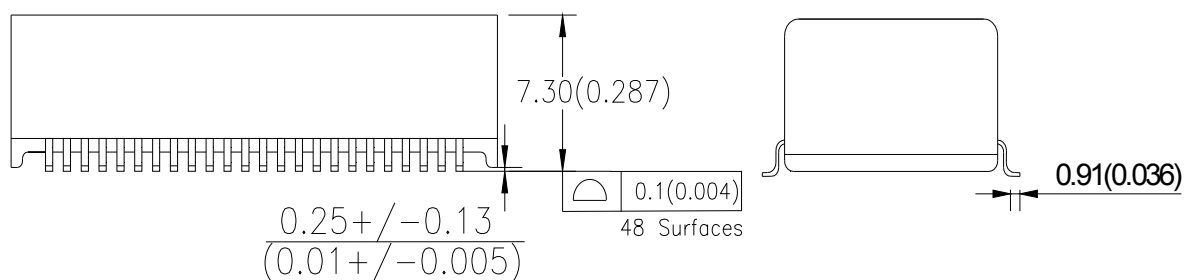




Mechanical



Recommend PAD Layout



Dimension: mm(inch), Unless otherwise specified, all tolerance are ±0.25(0.01)