



Feature



- Compliant with IEEE 802.3ab standard for 1000Base-T.
- Primary inductance (Lp) 350uH min. @ 100KHz, 0.1Vrms, DC 8mA
- Capacitance between windings (Cww) 30pF Max (at 100kHz, 0.1V).
- Leakage Inductance (LL) 0.6uH Max (at 100kHz, 0.1V). DCR 1.2Ω Max.
- Designed for reflow soldering at temperature 260°C Max.
- Storage temperature -25°C to +125°C.
- RoHS compliance.

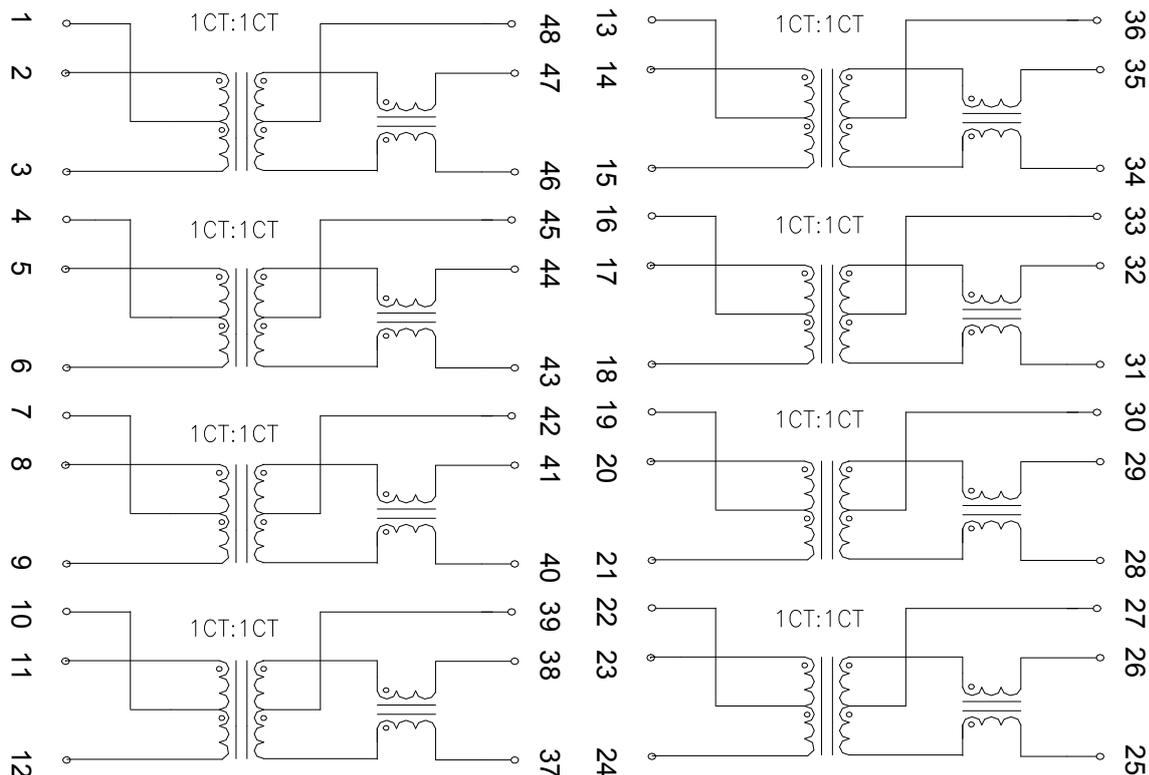
**Electrical Specification @ 25°C      Operating Temperature @ -40°C to +85°C**

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100Ω					CDMR (dB min) MHz		
		1-100MHz	2-30MHz	40MHz	50MHz	60-80MHz	100MHz	1MHz	60MHz
ML48S03TRS	-1	-18	-17	-16	-12	-10	-45	-40	-35

**Continue**

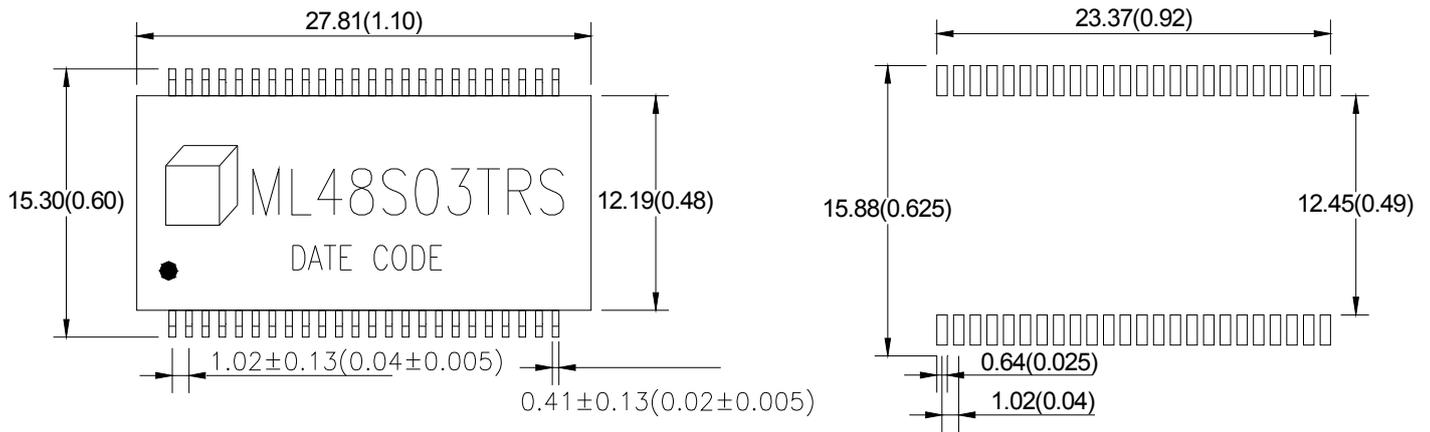
Part Number	CMR (dB Min) MHz		Crosstalk (dB Min) MHz			Isolation Voltage (Vrms)
	1-60MHz	60-100MHz	30MHz	60MHz	125MHz	
ML48S03TRS	-37	-25	-45	-40	-35	1500VAC / 1mA / 2s

Schematic

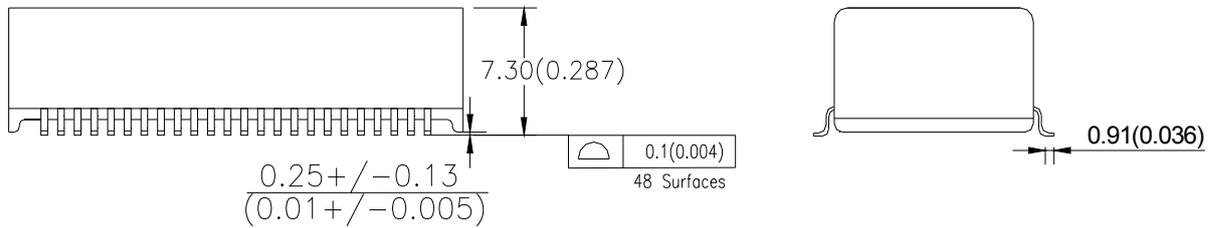




Mechanical



Recommend PAD Layout



Dimension:mm(inch),Unless otherwise specified , all tolerance are $\pm 0.25$ (0.01)