

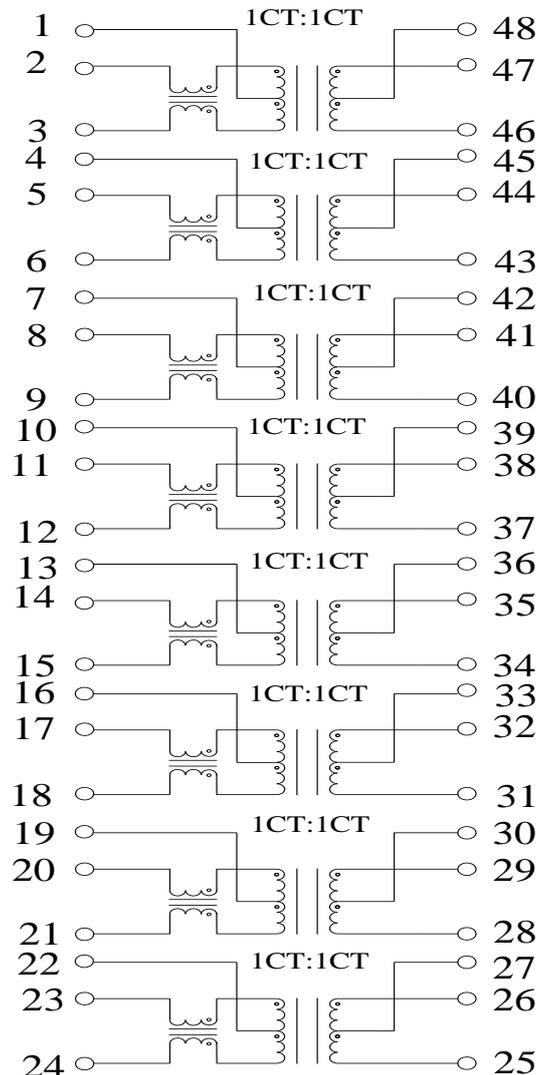


- Feature**
- Designed to meet IEEE 802.3bt type4 POE++ requirements.
  - Designed to meet IR 255°C peak requirement
  - ROHS Compliant
  - Meet 1.4A min. balanced DC current per pair
  - Operating temperature range: 0°C to +70°C
  - Storage temperature range: -20°C to +85°C
  - Meet POE Compliant 72.8W Max./Pair, Total 145.6W Max.

**Electrical Specifications @ 25°C**

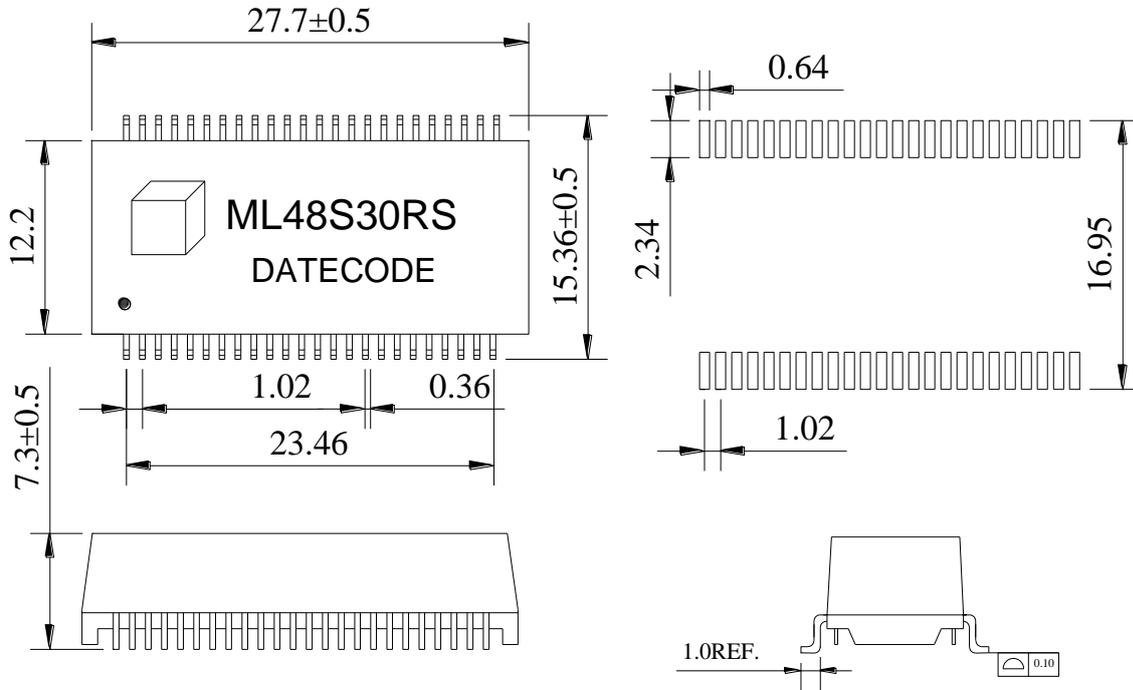
Part Number	Turn Ratio(±5%)		OCL@100K Hz,0.1V	Insertion Loss (dB Max)		Cross Talk (dB Min)			HI-POT
	Tx/Rx			1~25 MHz		1MHz	10-100 MHz	100-125MHz	
		1CT:1CT		100uH Min.	-1.0		-50	-52+22*lg(f/10)	-25
ML48S30RS	CMRR(dB Min)		Return Loss(dB Min)@Load 100Ω		LK (Max)	DCR (Max)	CWW (Max)		
	100 MHz	125 MHz	1-40MHz	60-125MHz					
	-30	-25	-16	-16+10lg(f/40)	0.5 uH	1.0Ω	28pF		

**Schematic**





Mechanical



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