



1000 BASE-T TRANSFORMER

P/N: ML24S26THF

1 / 2

Feature

- Compliant with IEEE 802.3at standard for 1000Base-T.
- Suitable for PoE+ applications(1.4A@57V continuous).
- Primary inductance 350uH Min with 21mA DC bias, 200uH Min with 36mA.
- Capacitance between winding: 25pF Max at 0.1MHz, 1V.
- Leakage inductance 0.5uH Max at 0.1MHz, 0.1V.
- Support POE+ and Auto MDIX in 1 pairs of category 5 UTP cable
- Designed for reflow soldering at temperatures up to 260°C.
- Storage temperature -25°C to +125°C.
- RoHS compliance.

Electrical Specification@25°C

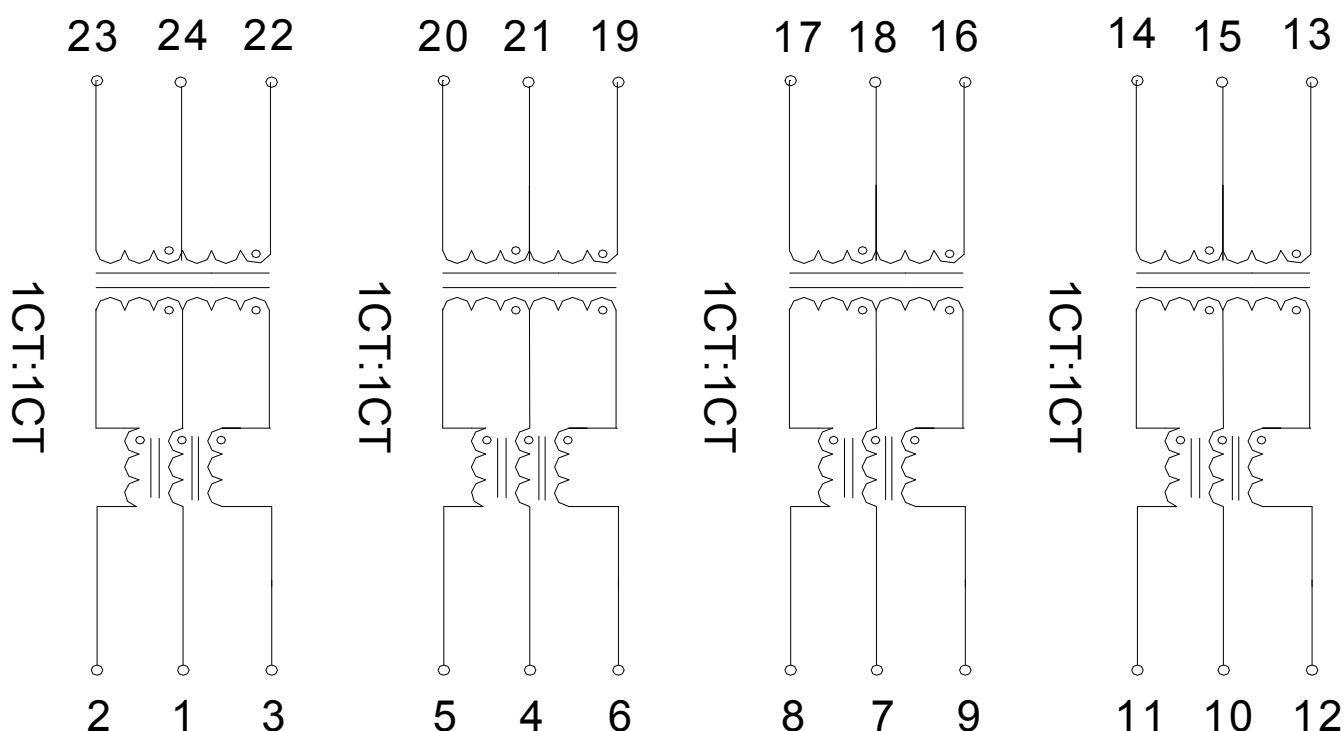
Operating Temperature -40°C to +85°C

Part NO	Insertion Loss (dB MAX) MHz			Return Loss (dB MIN @ 100Ω) MHz					DC CURRENT/VOLTAGE RATING - PSE PINS
	0.1 MHz	30-100 MHz	125 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	100 MHz	
	ML24S26THF	-1.1	-1.0	-2.0	-18	-16	-16	-12	-10
									1.4 A @57V (CONTINUOUS)

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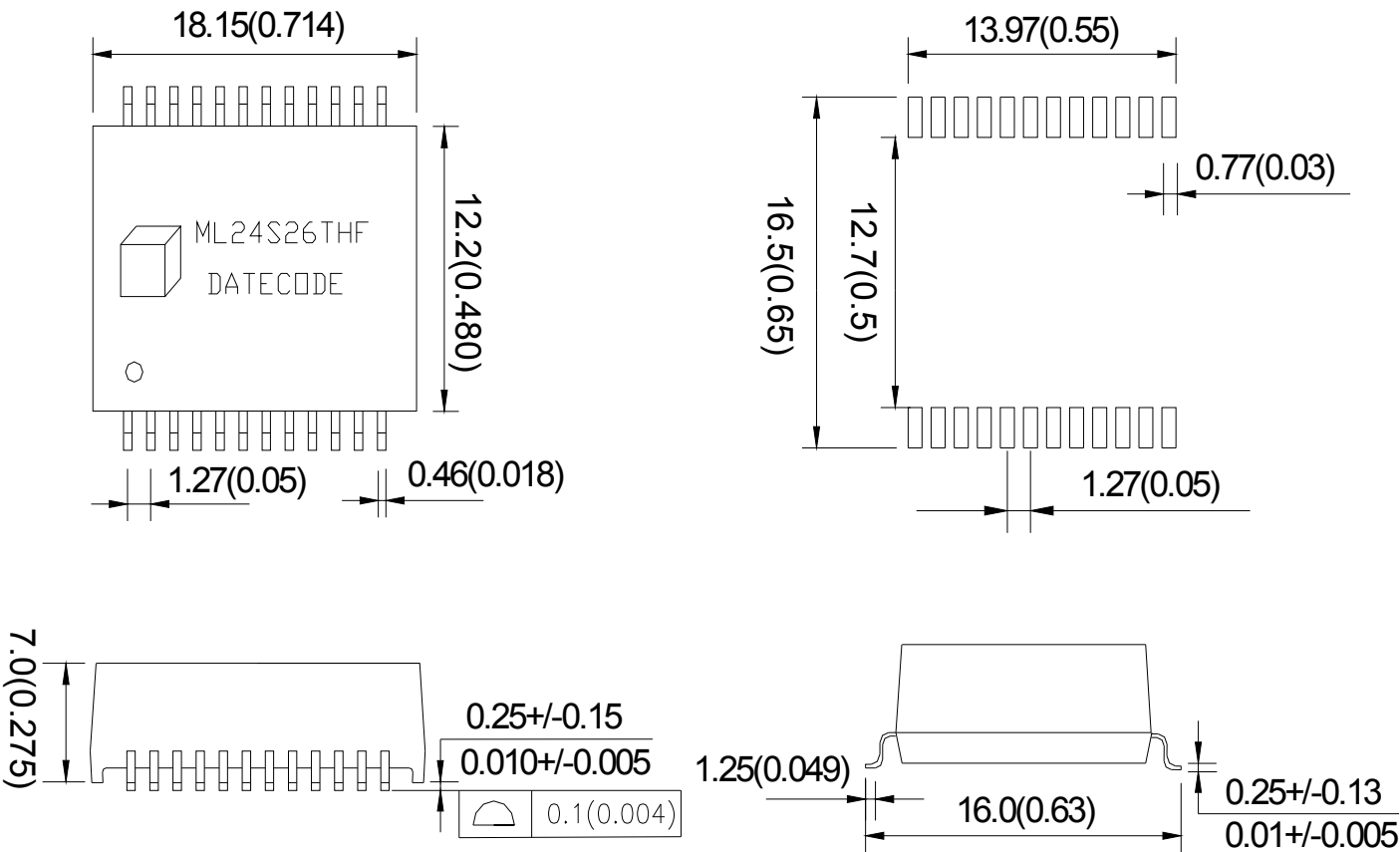
Part NO	Common Mode Rejection Ratio (dB MIN) MHz				Crosstalk (dB MIN) MHz				DCR (Ω Max)	DCR Balance (Ω)	Hipot (Vrms MIN)
	1 MHz	30-60 MHz	100 MHz	200 MHz	1 MHz	30 MHz	60 MHz	100 MHz			
	ML24S26THF	-45	-35	-30	-25	-50	-43	-37			

Schematic





Mechanical



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