



10/100/1000 BASE- T DUAL Transformer

P/N: ML50S04RS

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Feature

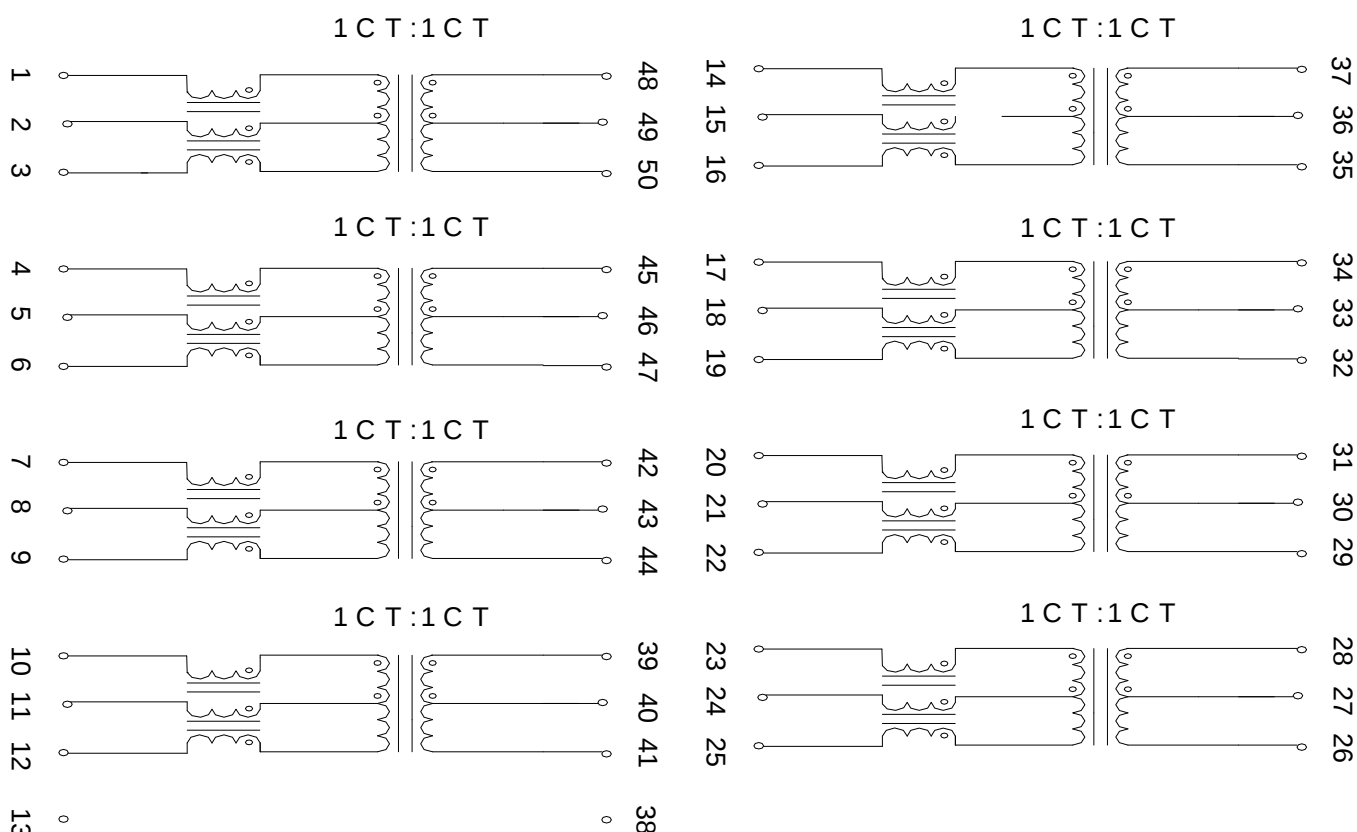


- Compliant with IEEE 802.3at standard for 1000Base-T.
- Suitable for PoE applications(720mA@57V continuous).
- Primary inducting 350uH@100KHz 100mV 8mA DC Bias.
- Capacitance between winding: 35pF Max at 100KHz, 1V.
- Leakage inductance 0.5uH Max at 100KHz, 0.1V.
- Designed for reflow soldering at temperatures up to 260°C.
- Storage temperature -25°C to +125°C.
- RoHS compliance.

Electrical Specification@25°C Operating Temperature 0 to +70°C					
Part Number	Turns Ratio TX & RX (±5%)	Insertion Loss (dB Max)	Cross talk Attenuation (dBMin)		
		1-100MHz	30MHz	60MHz	100MHz
ML50S04RS	1CT:1CT&1CT:1CT	-1.1	-40	-33	-28

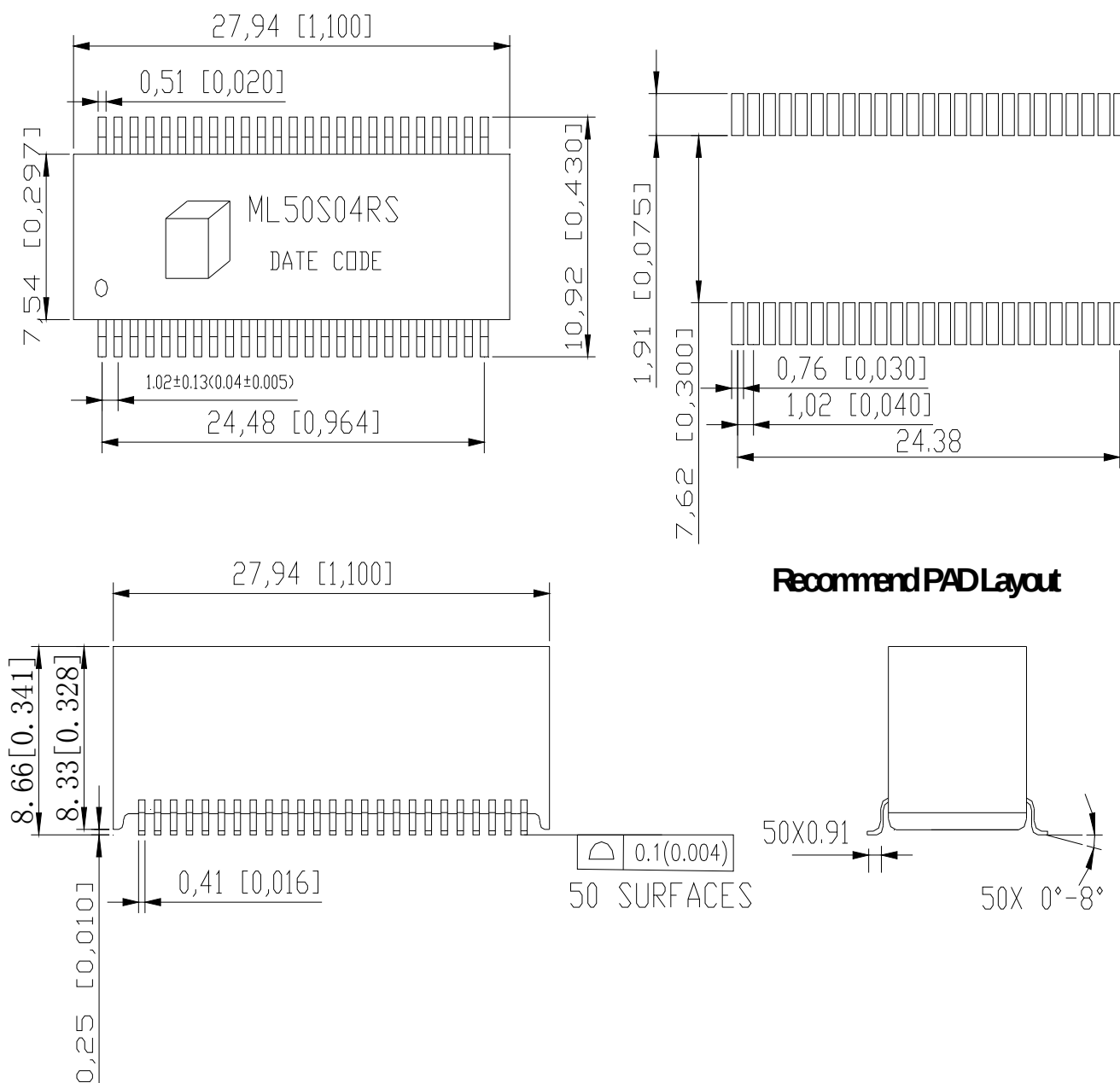
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Part Number	Return Loss (dB Min)@Load 100Ω					DCMR (dB Min)			Isolation Voltage (Vrms)
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	
ML50S04RS	-18	-14.4	-13.1	-12	-10	40	35	30	1500

Schematic





Mechanical



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