



Feature

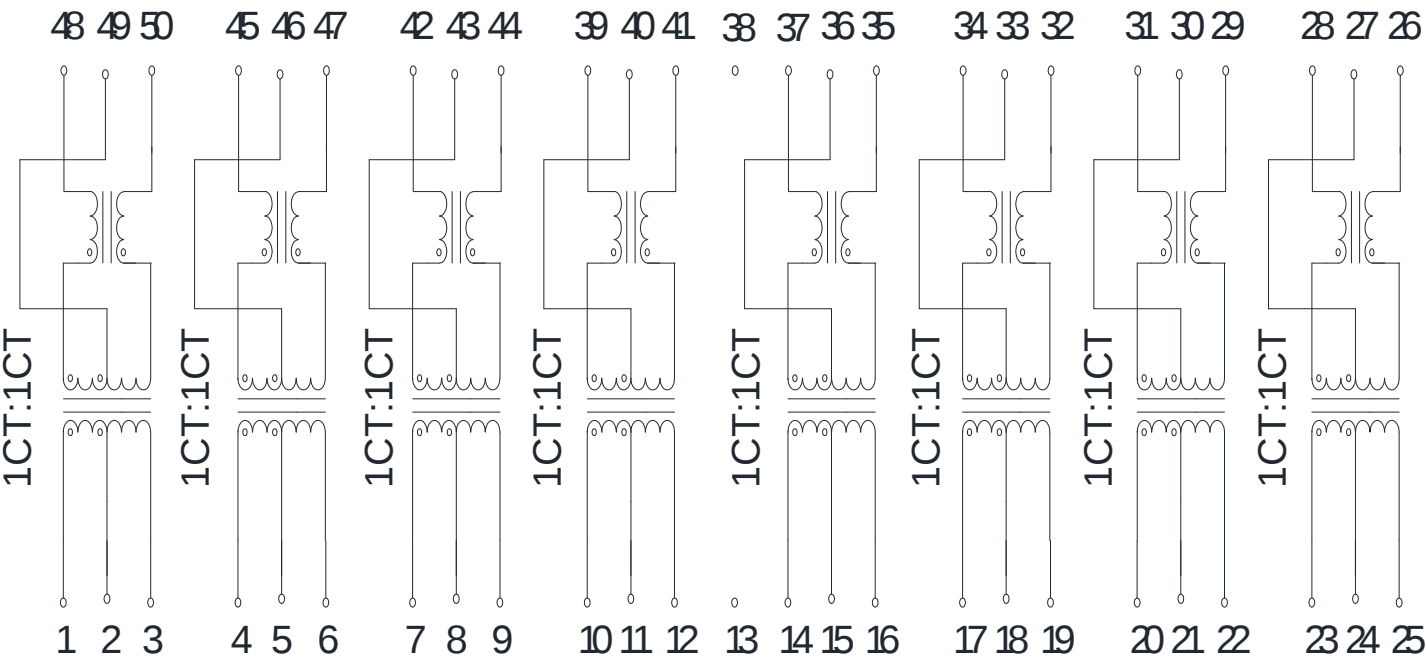


- Compliant with IEEE 802.3ab standard for 1000Base-T ◦
- Capacitance between winding: 35pF Max at 100KHz, 1V.
- Leakage inductance 0.5uH Max at 100KHz, 0.1V.
- Designed for reflow soldering at temperatures up to 260°C.
- Compliance with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +105°C.

Electrical Specifications@25°C						
Part Number	Tums Ratio (±5%)	Insertion Loss (dB Max)	OCL(uH Min) @100KHz/0.1V With 8mA DC Bias	Cross talk Attenuation (dBMin)		
		1-100MHz		30MHz	60MHz	100MHz
ML50S02RS	1CT:1CT	-1.1	350	-40	-33	-28

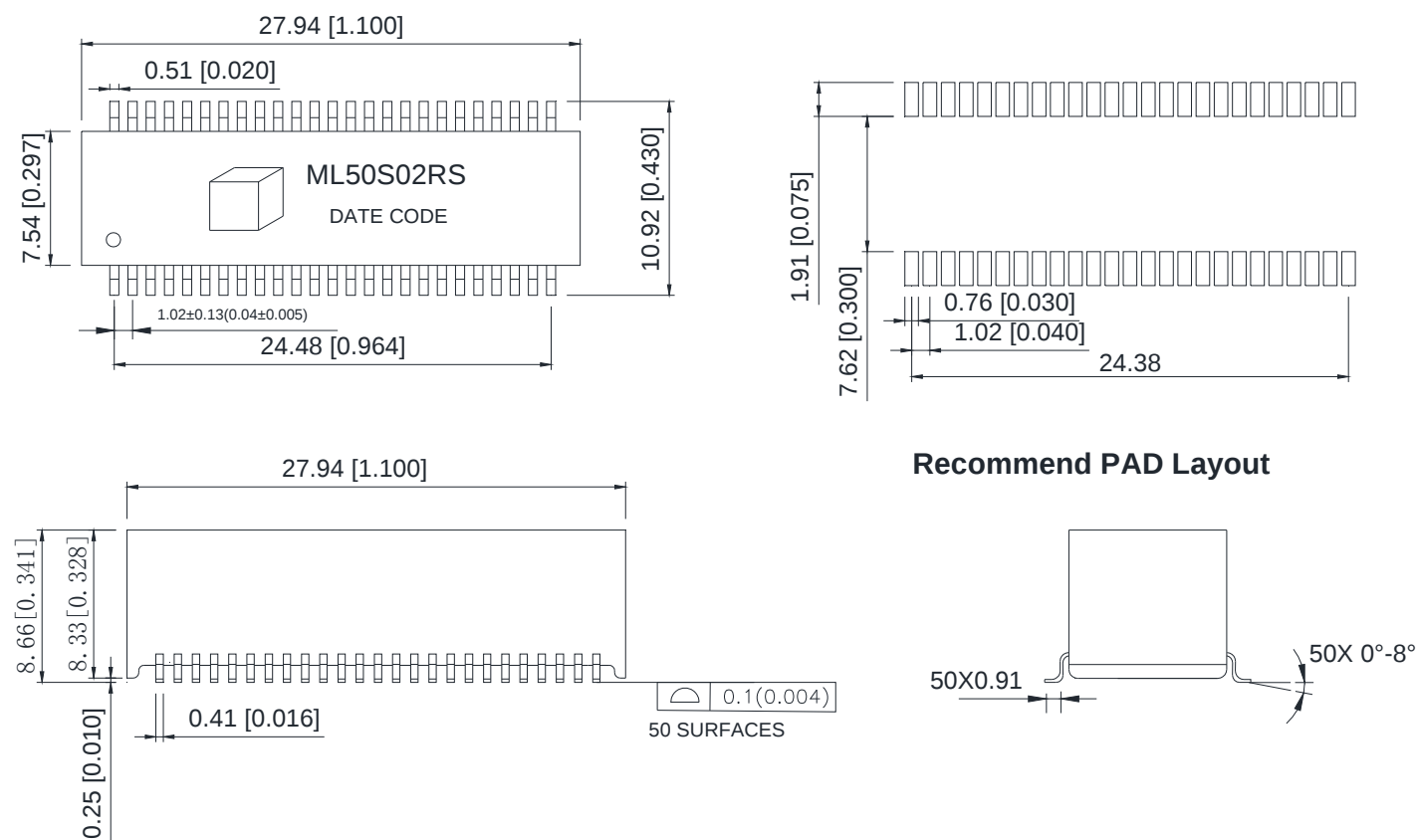
Continue									
Part Number	Return Loss (dB Min)@Load 100Ω					DCMR (dB Min)			Isolation Volage (Vrms)
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	
ML50S02RS	-18	-14.4	-13.1	-12	-10	40	35	30	1500

Schematic

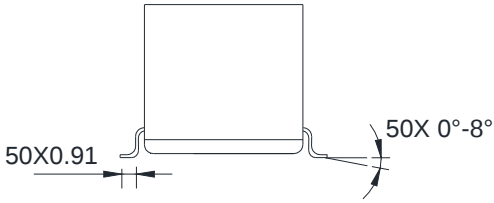




Mechanical



Recommend PAD Layout



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