



Feature

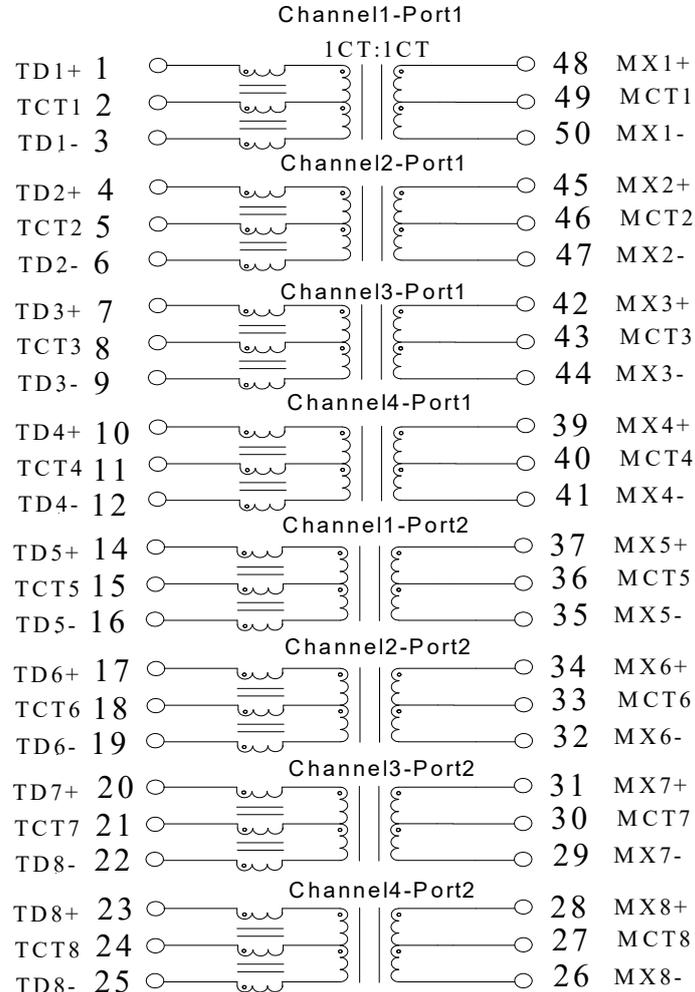
- Designed to meet IEEE802.3bt type3 POE++ requirement
- Designed to meet IR 255°C peak requirement
- Primary inductance 350uH minwith8mA DC bias
- Meet 720mA min. balanced DC current per pair
- RoHS Compliant
- Operating temperature range:0°C to+90°C
- Storage temperature range:-40°C to+125°C
- Meet POE Compliant 36W Max./Pair, Total 72W Max.

Electrical Specifications @ 25°C

Part Number	Turn Ratio		Insertion Loss (dB Max)		Return Loss (dB Min)		Cross Talk (dB Min)			
	Tx	Rx	1-100 MHz	100-125 MHz	1-40 MHz	40-125 MHz	30 MHz	60 MHz	100 MHz	125 MHz
ML50S16RS	1:1		-1.0	-1.1	-16	-16+10*log(f/40)	-40	-35	-30	-30

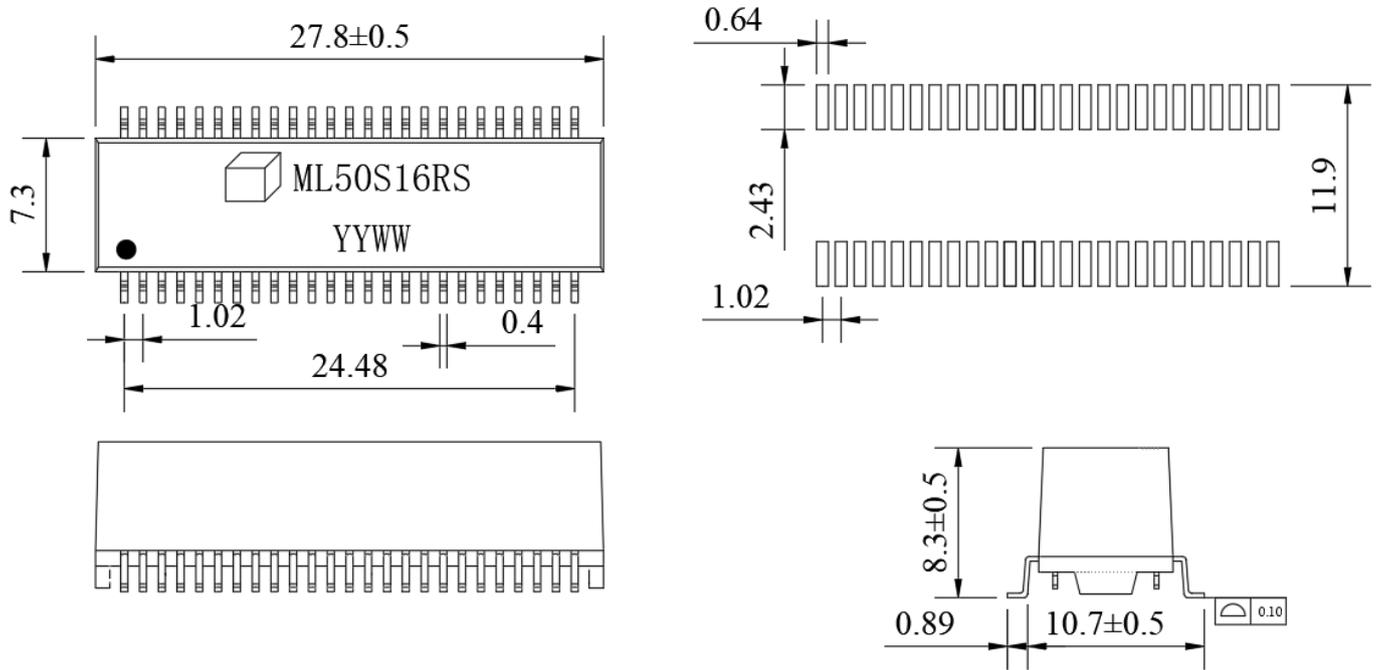
Part Number	DCMR (dB Min)				LK (uH Max)	CWW (PF Max)	DCR (Ω Max)	Hi-PoT (Vrms)
	30 MHz	60 MHz	100 MHz	125 MHz				
ML50S16RS	-43	-37	-33	-30	0.5	35	1.2	1500

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Dimension: mm(inch), Unless otherwise specified, all tolerance are ± 0.25 (0.01)