

Part Number: AE-SC48001

10/100/1000 BASE DUAL PORT TRANSFORMER

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C.



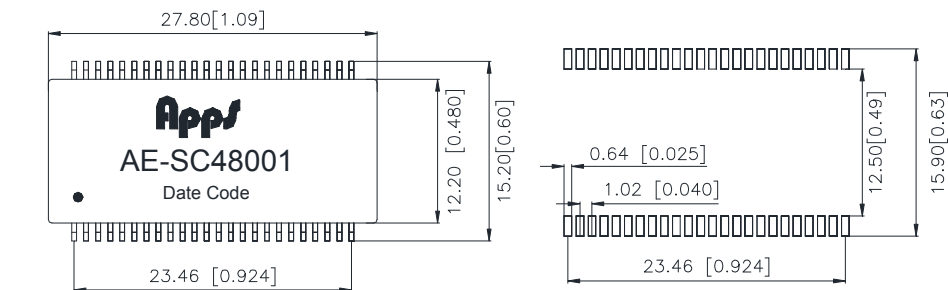
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max) 1-100MHz	HI-POT (Vrms)	DCMR (dB Min)		
	TX	RX				30MHz	60MHz	100MHz
AE-SC48001	1CT:1CT	1CT:1CT	350	-1.0	1500	-40	-35	-30

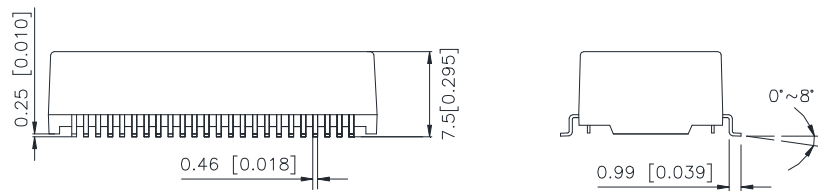
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Part Number	Return Loss (dB Min)					Cross Talk (dB Min)		
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
AE-SC48001	-18	-14.4	-13.1	-12	-10	-40	-35	-30

Mechanicals:



SUGGESTED PCB LAYOUT



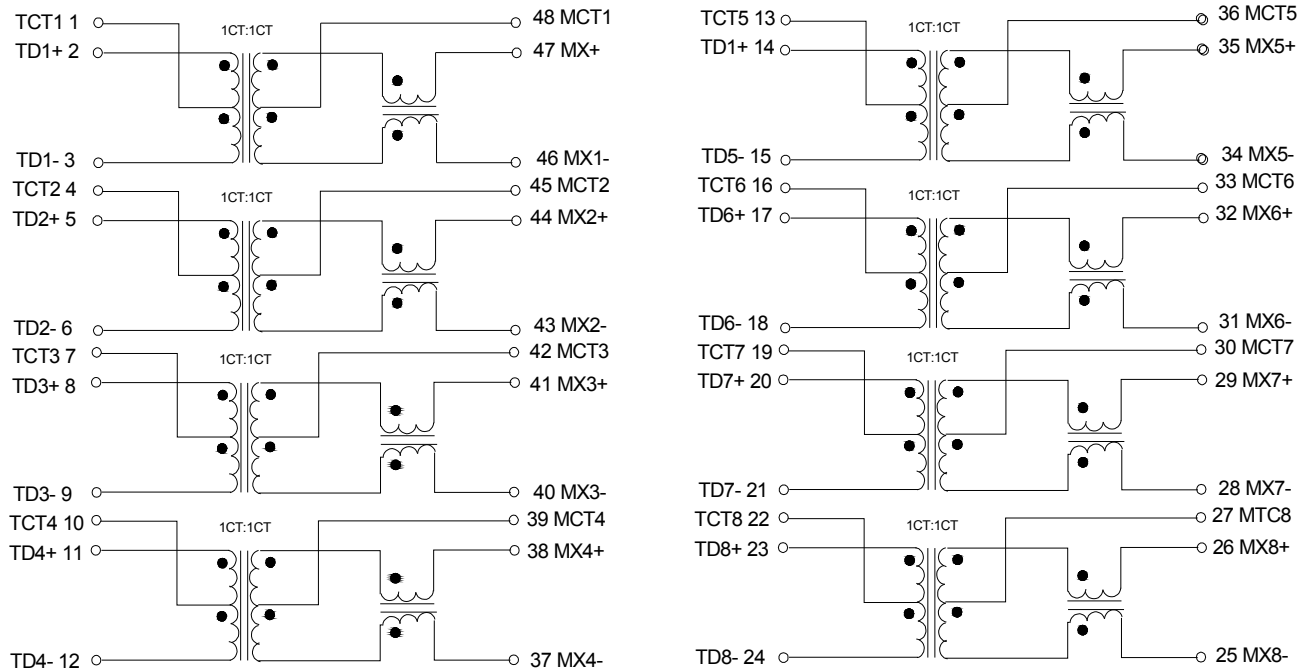
Dimension: mm[Inch]±0.25[0.010]

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Schematics:



Package:

