

Part Number: AE-SC24815

10/100/1000 BASE LAN TRANSFORMER

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- Compliant with IEEE802.3 requirement.
- RoHS compliant.
- Operating temperature range:0°C to +70°C.
- Storage temperature range:-20°C to +125°C.



Electrical Specifications @ 25°C

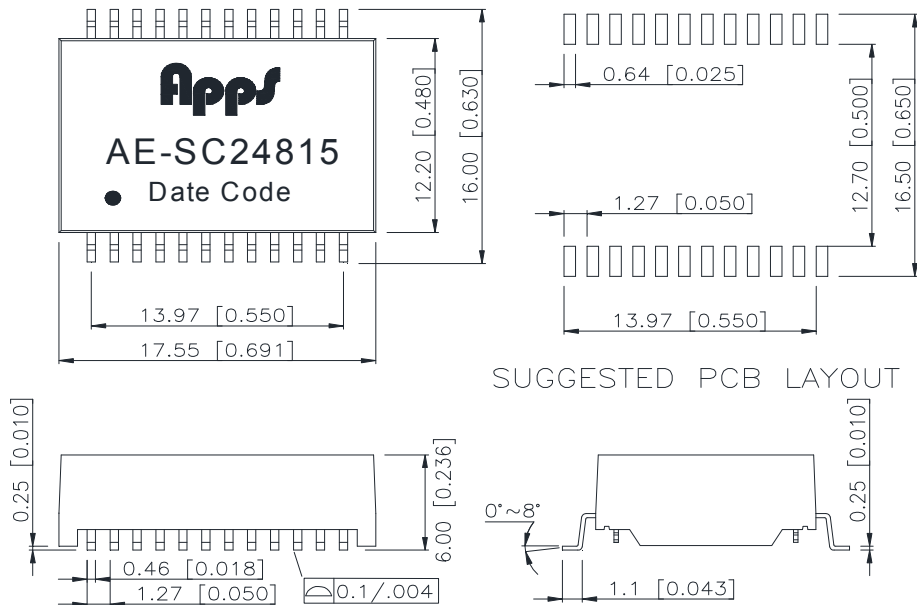
Part Number	Turns Ratio (±5%)	OCL(μH Min) @100KHz/0.1V with 15.0mA DC	Insertion Loss (dB Max)	HI-POT (Vrms)
	TX:RX		1-125MHz	
AE-SC24815	1CT:1CT	350	-0.2-0.002*f^1.4	1500

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Part Number	Return Loss (dB Min)		CMRR (dB Min)		Cross Talk (dB Min)	
	1-40MHz	40-100MHz	2MHz	30-100MHz	1MHz	10-100MHz
AE-SC24815	-16	-10+20*lg(f/80)	-50	-15+20*lg(f/200)	-50	-55+22*lg(f/10)

NOTE: f is frequency in MHz

Mechanicals:



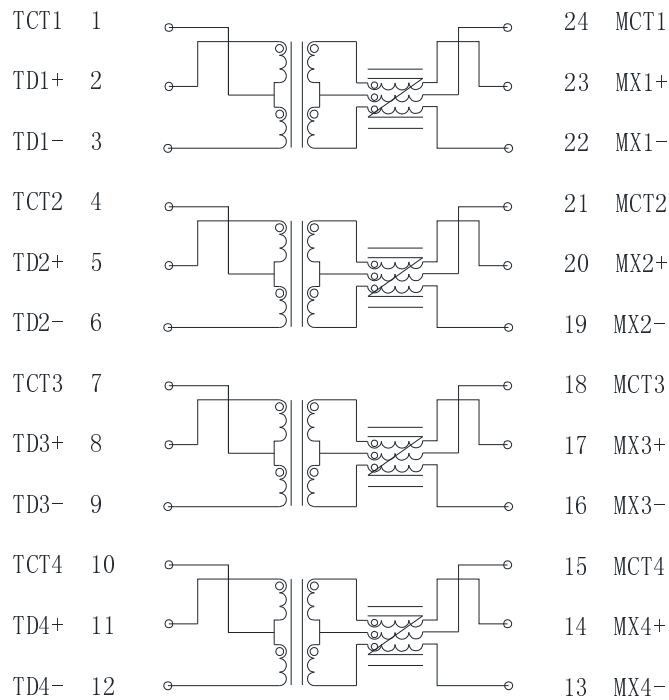
Dimension: mm[Inch]±0.25[0.010]

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Schematics:



Package:

