

Part Number: AE-SF50014P

5G SMD LAN TRANSFORMER

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- RoHS compliant.
- Power over Ethernet (PoE) Magnetics, 1.0A current capability.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C.

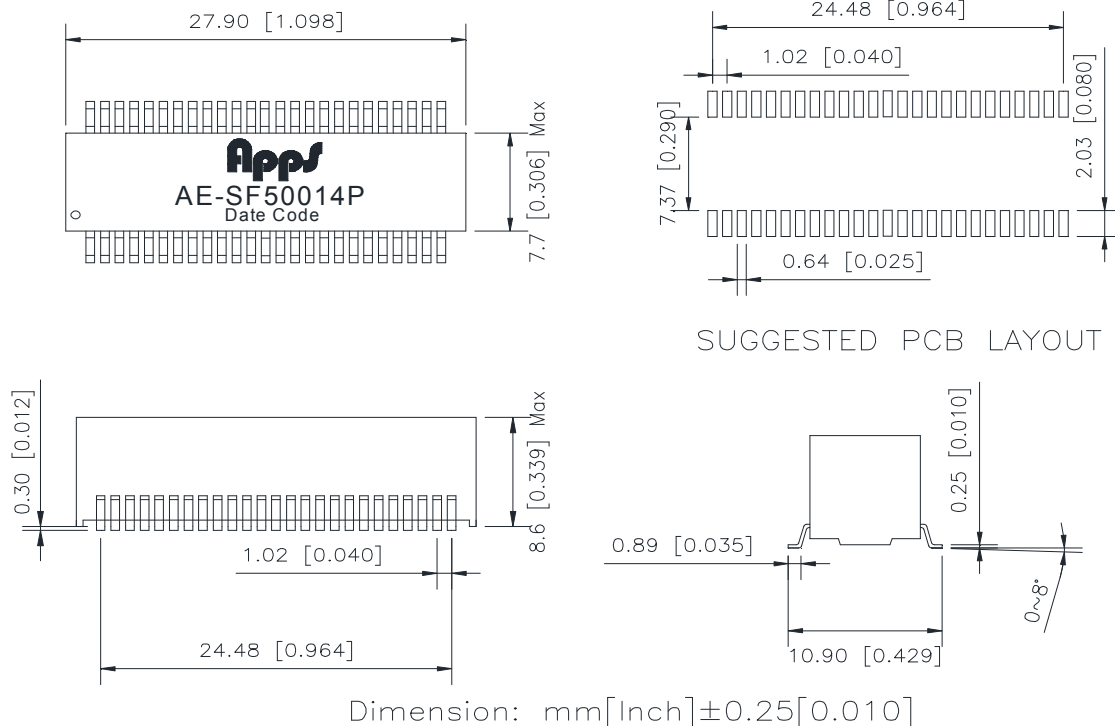
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±2%)	OCL(μH Min) @100KHz/0.1V		Insertion Loss (dB Max)			HI-POT (Vrms)
	TX:RX	DC 0mA	DC 15mA	1-50MHz	50-125MHz	125-250MHz	
AE-SF50014P	1CT:1CT	180	150	-0.5	-1.0	-1.5	1500

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Part Number	Return Loss (dB Min)		CMRR (dB Min)		DCMR (dB Min)		Cross Talk (dB Min)	
	1-40MHz	40-250MHz	1-100MHz	100-250MHz	1-100MHz	100-250MHz	1-100MHz	100-250MHz
AE-SF50014P	-20	-20+12.5*lg(f/40)	-30	-25	-30	-25	-30	-20

Mechanicals:



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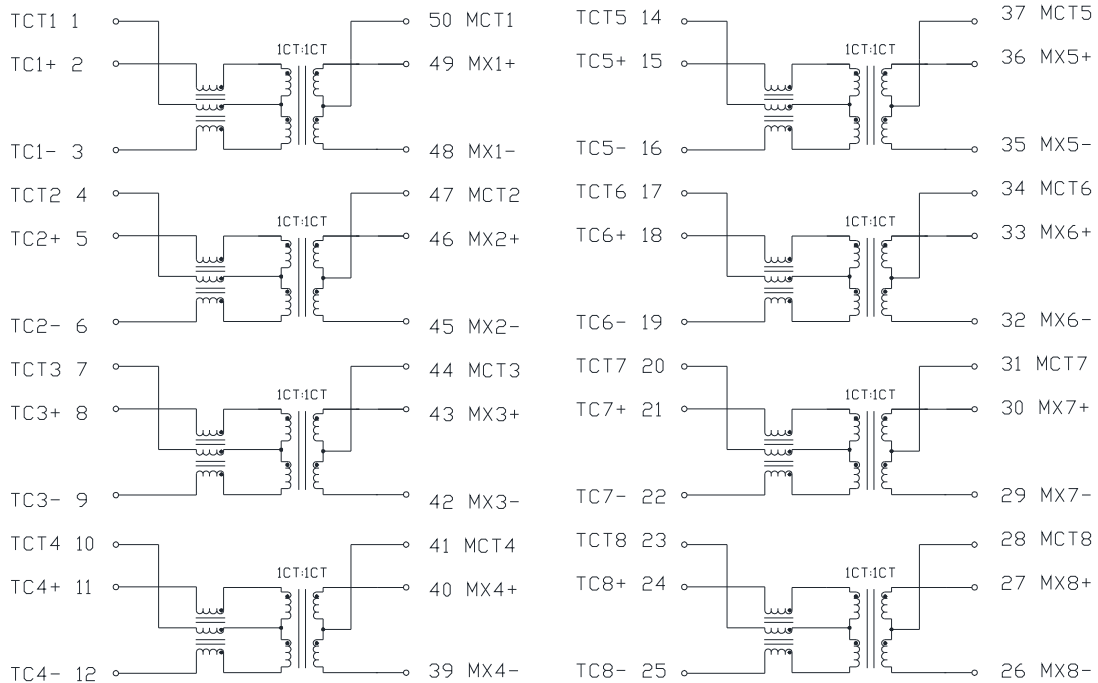
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Schematics:



Package:

