

Part Number: AE-SC24D06PH

10/100/1000 SMD LAN TRANSFORMER

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- Compliant with IEEE802.3bt requirement.
- RoHS compliant.
- Power over Ethernet(PoE) Magnetics, 120W@57V(4 pair).
- Operating temperature range:-40°C to +85°C.
- Storage temperature range:-40°C to +125°C.

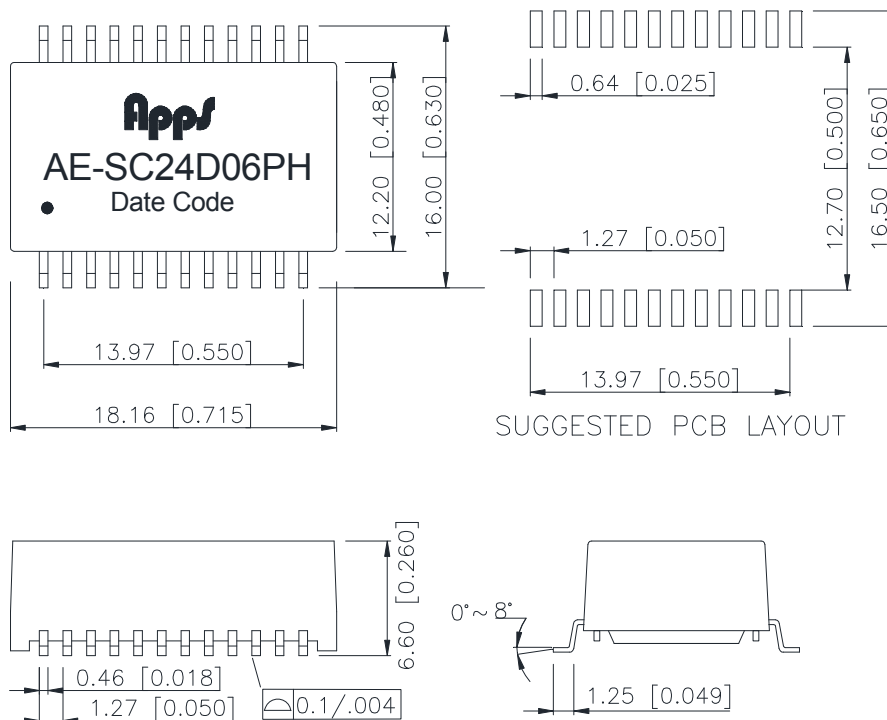
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	OCL(μH Min) @100KHz/0.1V with 21.0mA DC	Insertion Loss (dB Max)		CMRR (dB Min)	
	TX:RX		1MHz	1-125MHz	2MHz	30-200MHz
AE-SC24D06PH	1CT:1CT	120	-1.2	-0.2-0.002*f ^{1.4}	-45	-15+20*log(f/200)

Continue

Part Number	Return Loss (dB Min)		Cross Talk (dB Min)		HI-POT (Vrms)
	1-40MHz	40-100MHz	1MHz	10-100MHz	
AE-SC24D06PH	-16	-10+20*log(f/80)	-45	-50+22*log(f/10)	1500

Mechanicals:



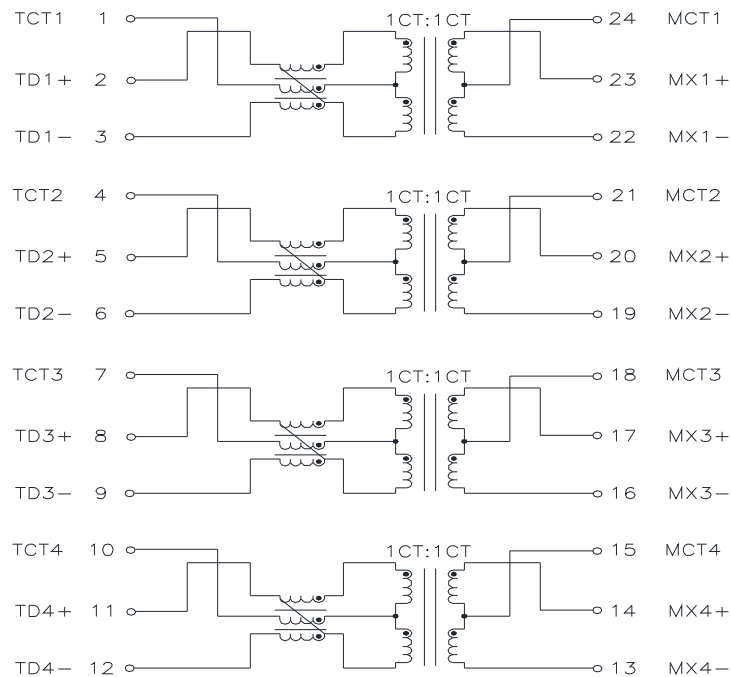
Dimension: mm[Inch]±0.25[0.010]

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Schematics:



Package:

