

Part Number: AE-SB16005P

10/100 SMD LAN Transformer

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- Compliant with IEEE 802.3at standard.
- Power over Ethernet (PoE) Magnetics, 720mA current capability.
- RoHS compliant.
- Operating temperature range: -0°C to +70°C.
- Storage temperature range: -20°C to +125°C



Electrical Specifications

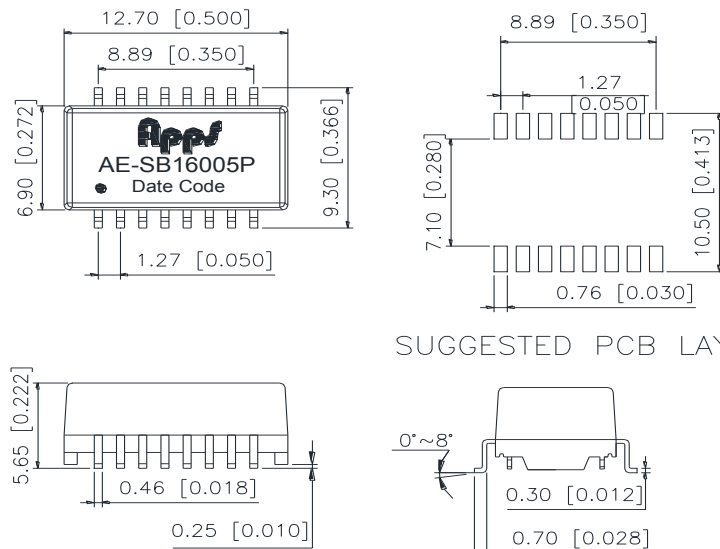
Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max) 0.3-100MHz	HI-POT (Vrms)	Pri. Pins
	TX	RX				
AE-SB16005P	1CT:1CT	1CT:1CT	350	-1.0	1500	(1-3)&(6-8)

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Part Number	Return Loss (dB Min)				Cross Talk (dB Min)		DCMR (dB Min)		
	0.3~30MHz	40MHz	50MHz	60~80 MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
AE-SB16005P	-16	-14	-13	-12	-45	-35	-40	-35	-30

Remark: Electrical characteristics at 25°C unless other specified

Mechanicals:



SUGGESTED PCB LAYOUT

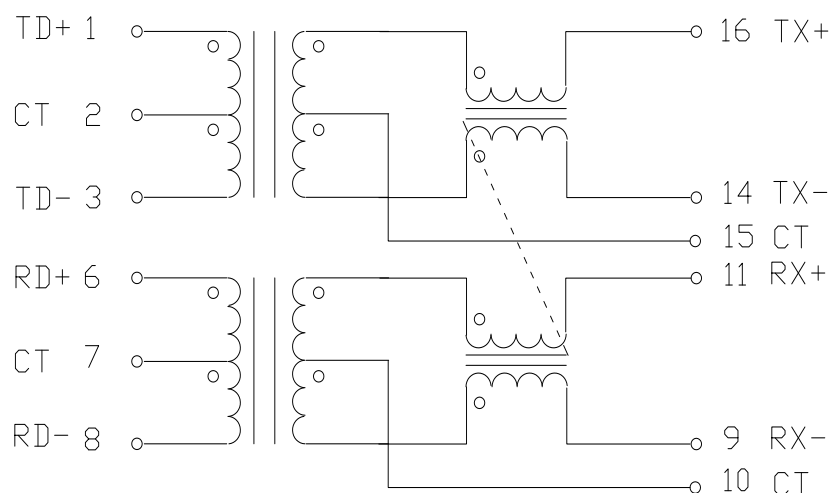
Dimension: mm[Inch]±0.25[0.010]

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SCHEMATICS:



Package:

