

Part Number: AE-SB16005F

10/100 SMD LAN Transformer

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- Compliant with IEEE 802.3af standard.
- RoHS compliant.
- Power over Ethernet (PoE) Magnetics, 350mA current capability.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C.



Electrical Specifications

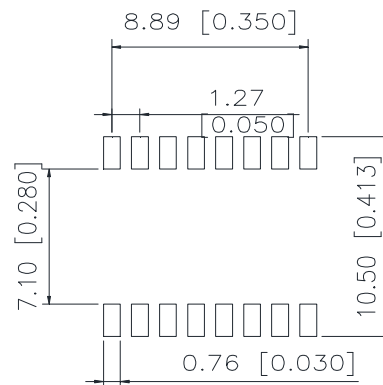
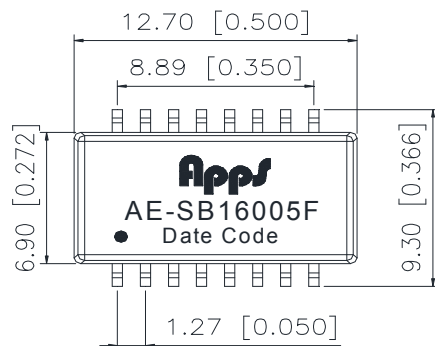
Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max) 1-100MHz	HI-POT (Vrms) 1500
	TX	RX			
AE-SB16005F	1CT:1CT	1CT:1CT	350	-1.0	1500

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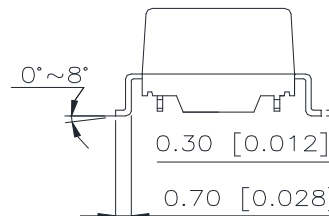
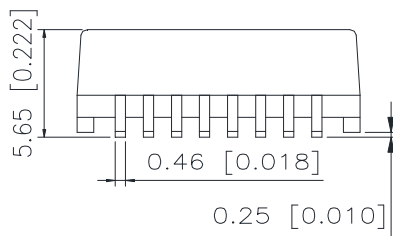
Part Number	Return Loss (dB Min)				Cross Talk (dB Min)			DCMR (dB Min)		
	1-30MHz	40MHz	50MHz	80MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
AE-SB16005F	-18	-14.4	-13.1	-12	-40	-35	-30	-40	-35	-30

Remark: Electrical characteristics at 25°C unless other specified

Mechanicals:



SUGGESTED PCB LAYOUT



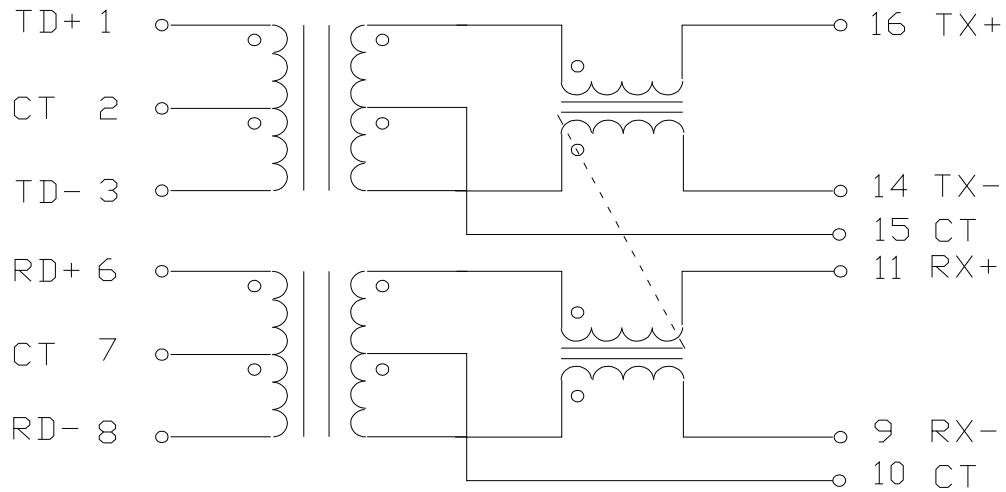
Dimension: mm[Inch]±0.25[0.010]

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SCHEMATICS:



Package:

