

Part Number: AE-SB16025PH

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: -40°C to +85°C.
- Storage temperature range: -40°C to +125°C



Electrical Specifications

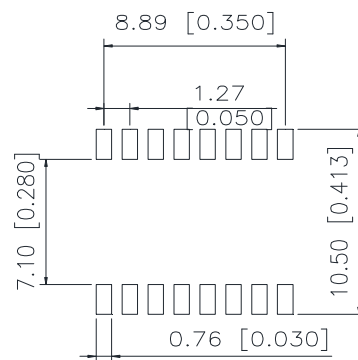
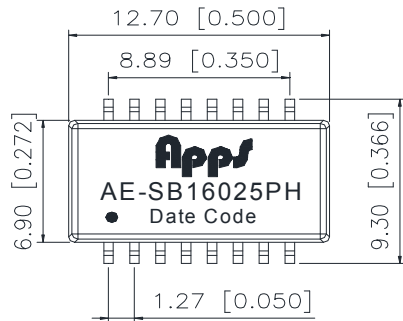
Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V		Insertion Loss (dB Max)	HI-POT (Vrms)
	TX	RX	With 8.0mA DC	With 19.0mA DC	1-100MHz	
AE-SB16025PH	1CT:1CT	1CT:1CT	350	120	-1.2	1500

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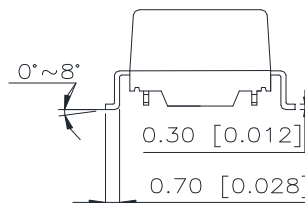
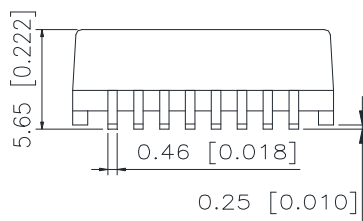
Part Number	Return Loss (dB Min)				Cross Talk (dB Min)			CMRR (dB Min)		
	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
AE-SB16025PH	-16	-14	-12	-10	-40	-35	-30	-40	-35	-30

Remark: Electrical characteristics at 25°C unless other specified

Mechanicals:



SUGGESTED PCB LAYOUT



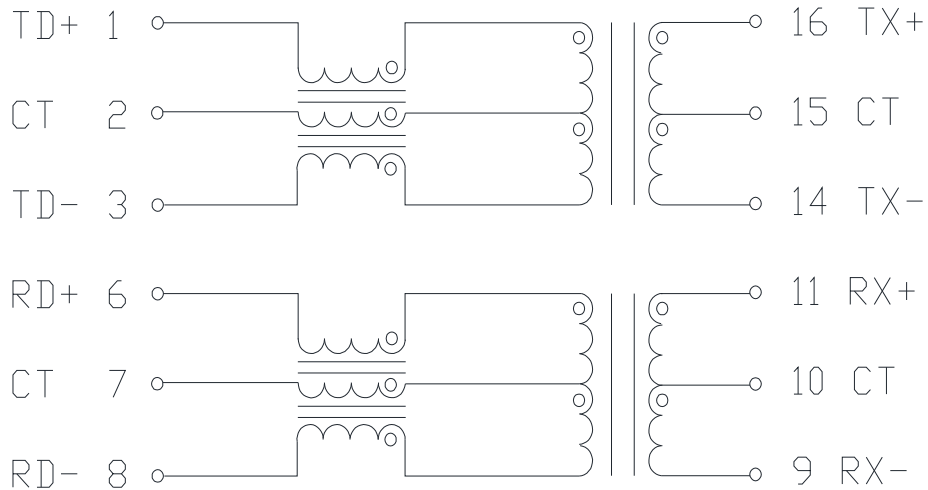
Dimension: mm[Inch]±0.25[0.010]

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SCHEMATICS:



Package:

