

Part Number: AE-SB16029H

10/100 SMD LAN Transformer

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +125°C



Electrical Specifications

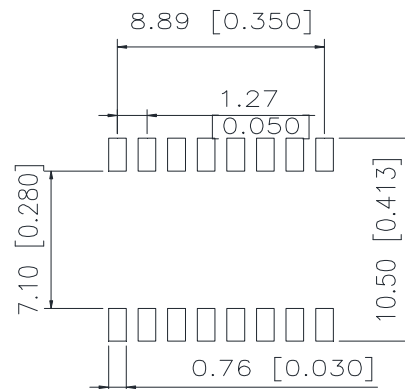
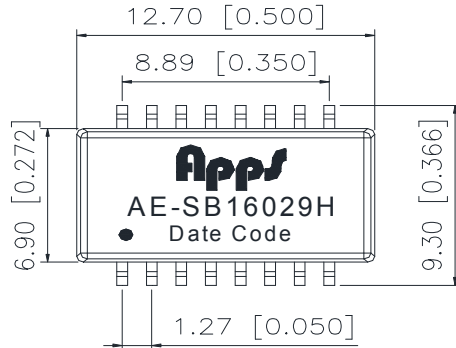
Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V		Insertion Loss (dB Max)		HI-POT (Vrms)
	TX	RX	With 8.0mA DC	With 19.0mA DC	0.1MHz	1-125MHz	
AE-SB16029H	1CT:1CT	1CT:1CT	350	120	-1.2	-0.2-0.002*f ^{1.4}	1500

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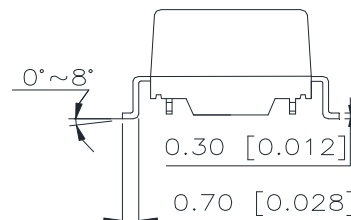
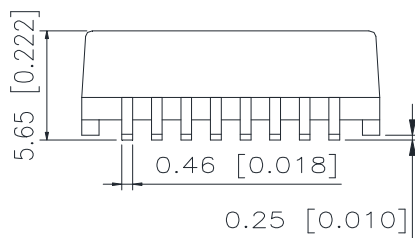
Part Number	Return Loss (dB Min)			Cross Talk (dB Min)		CMRR (dB Min)	
	0.1-30MHz	30-60MHz	60-80MHz	1MHz	10-100MHz	2MHz	3-200MHz
AE-SB16029H	-16	-10+20*lg(f/60)	-10	-50	-55+22*lg(f/10)	-45	-7+28*lg(f/200)

Remark: Electrical characteristics at 25°C unless other specified

Mechanicals:



SUGGESTED PCB LAYOUT



Dimension: mm[Inch]±0.25[0.010]

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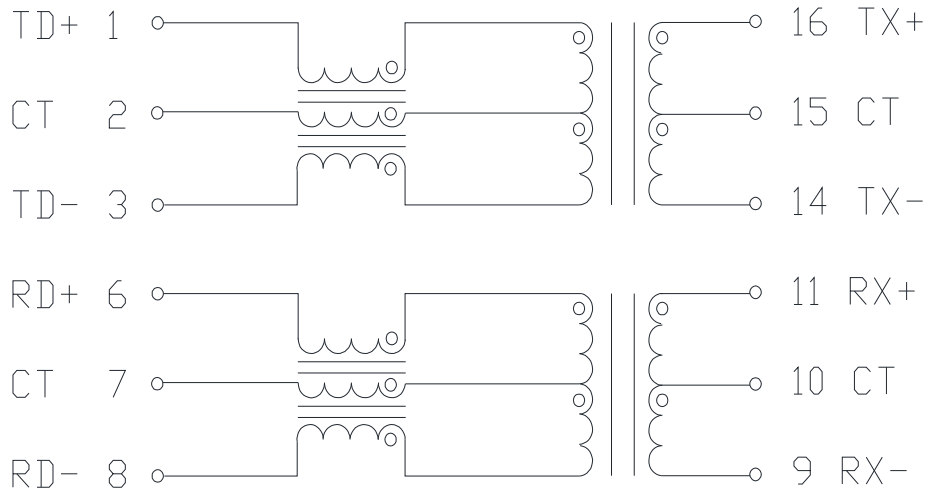
Http: www.appselectronics.com E-mail: sales@appselectronics.com

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SCHEMATICS:



Package:

