

Part Number: AE-SB16028

10/100 BASE SINGLE PORT TRANSFORMER

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C.



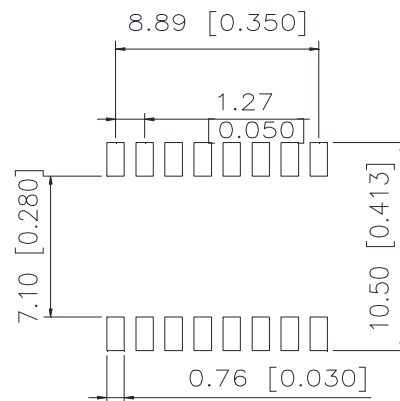
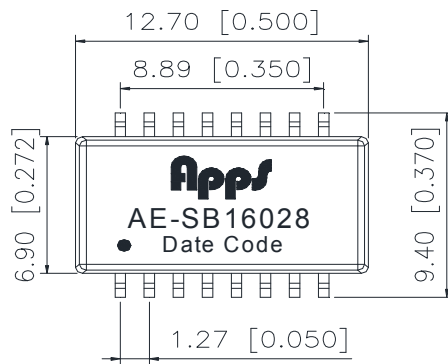
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	OCL(μH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max)		HI-POT (Vrms)
	TX : RX		0.1MHz	1-125MHz	
AE-SB16028	1CT:1CT	1200	-0.3	-0.3-0.002*f^1.31	1500

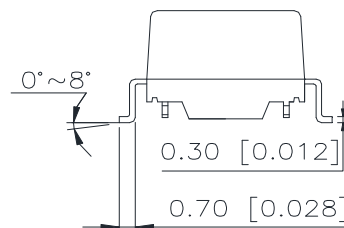
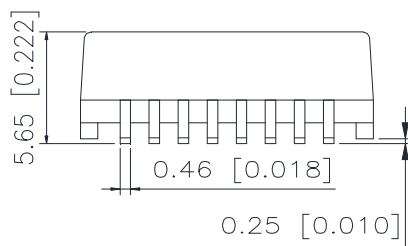
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Part Number	Return Loss (dB Min)		LK(μH Max) @100KHz/0.1V	DCR (Ω Max)
	0.1-40MHz	40-100MHz		
AE-SB16028	-18	-12+20*lg(f/80)	0.35	0.8

Mechanicals:



SUGGESTED PCB LAYOUT



Dimension: mm[Inch]±0.25[0.010]

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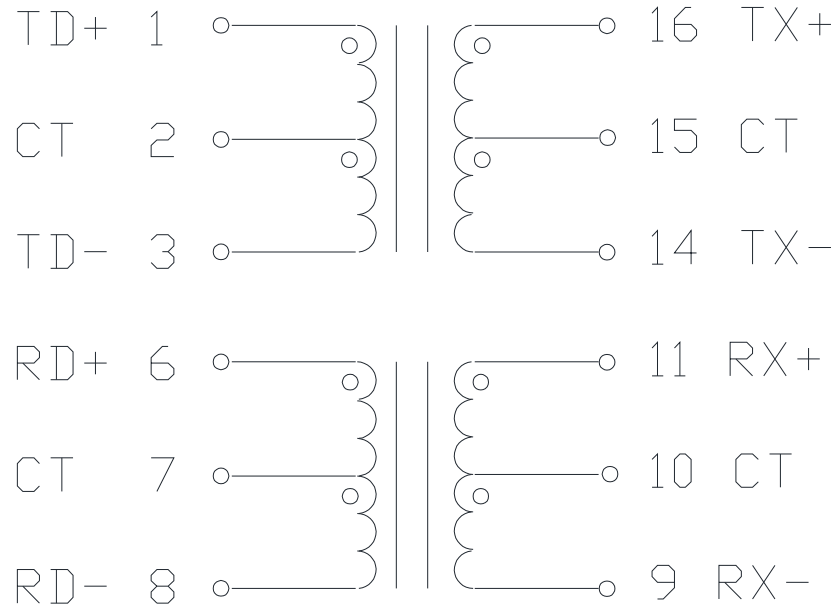
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Schematics:



Package:

