

Part Number: AE-SD30001

10G 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 (±2%)	OCL(μH Min) @100KHz/0.1V	Insertion Loss (dB Max)		DCMR (dB Min)		
			100KHz	1-400MHz	1-100MHz	100-300MHz	300-500MHz
AE-SD30001	1CT:1CT	180	-3	-1.5	-30	-25	-22

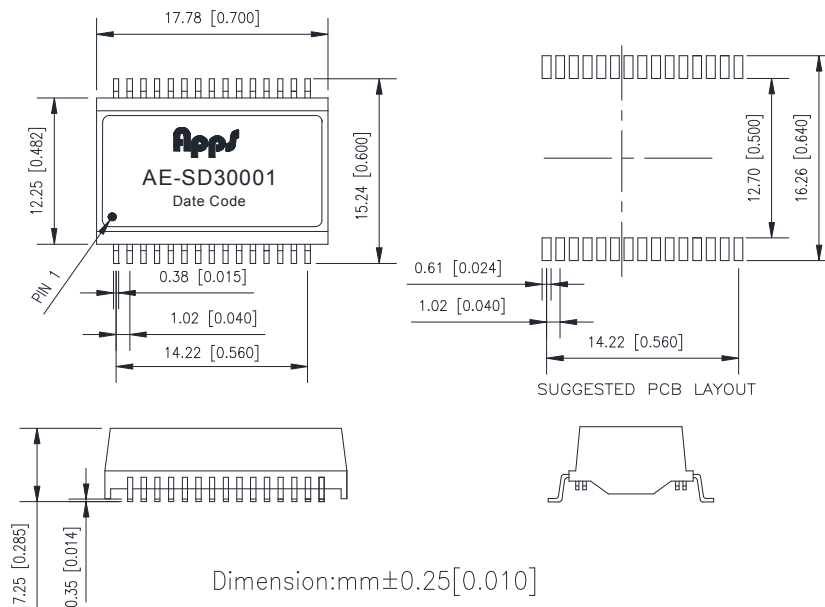
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Part Number	Cross Talk (dB Min)		CMRR (dB Min)			HI-POT (Vrms)
	1-100MHz	100-400MHz	1-100MHz	100-300MHz	300-500MHz	
AE-SD30001	-40	-30	-30	-25	-20	1500

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Part Number	Return Loss (dB Min)SDD11 PHY-SIDE			Return Loss (dB Min)SDD22 LINE-SIDE		
	1MHz	2-100MHz	100-500MH	1-40MHz	40-400MHz	400-500MHz
AE-SD30001	-22	-20	-20+16*log(f/100)	-20	-20+10*log(f/40)	-10+12*log(f/400)

Mechanicals:

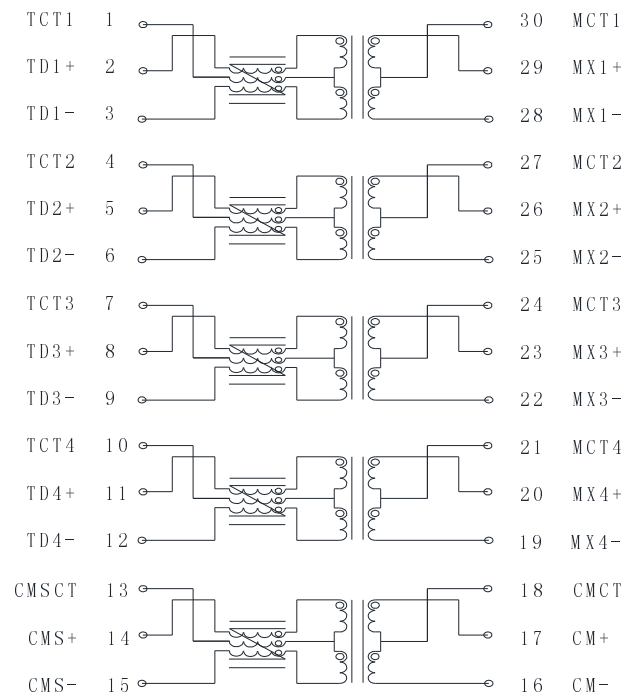


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Schematics:



Package:

