

Part Number: AE-SC24D01PH

10/100/1000 SMD LAN TRANSFORMER

Page: 1/2

- Compliant with IEEE802.3at requirement.
- RoHS compliant.
- Operating temperature range:-40°C to +85°C.
- Storage temperature range:-40°C to +125°C.

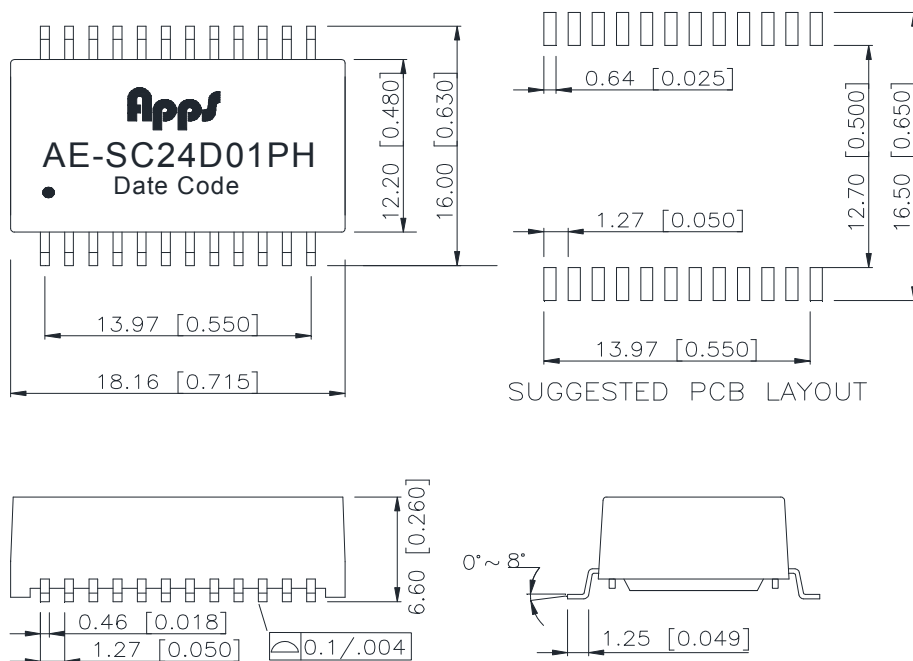
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	OCL(μH Min) @100KHz/0.1V with 24.0mA DC		Insertion Loss (dB Max)		PRI DCR (Ω typ)	CMRR (dB Min)	
	TX:RX			1MHz	1-125MHz		2MHz	30-200MHz
AE-SC24D01PH	1CT:1CT	350	300(-40°C~+85°C)	-1.2	-0.2-0.002*f ^{1.4}	0.6	-50	-15+20*log(f/200)

Continue

Part Number	Return Loss (dB Min)		Cross Talk (dB Min)		LK (μH typ)	CWW (pF typ)	HI-POT (Vrms)
	1-40MHz	40-100MHz	1MHz	10-100MHz			
AE-SC24D01PH	-16	-10+20*log(f/80)	-45	-55+22*log(f/10)	0.25	20	1500

Mechanicals:



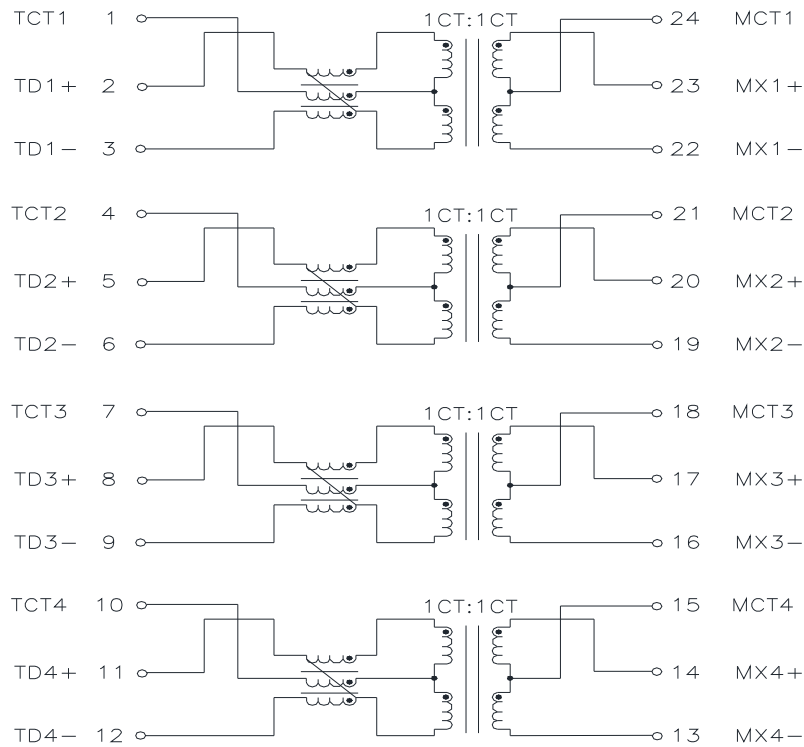
Dimension: mm[Inch]±0.25[0.010]

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Page: 2/2

Schematics:



Package:

