

Part Number: AE-SC24G04PH

10/100/1000 BASE LAN TRANSFORMER

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- Compliant with IEEE802.3at requirement.
- RoHS compliant.
- Power over Ethernet(PoE) Magnetics,1A current capability.
- Operating temperature range:-40°C to +85°C.
- Storage temperature range:-40°C to +125°C.

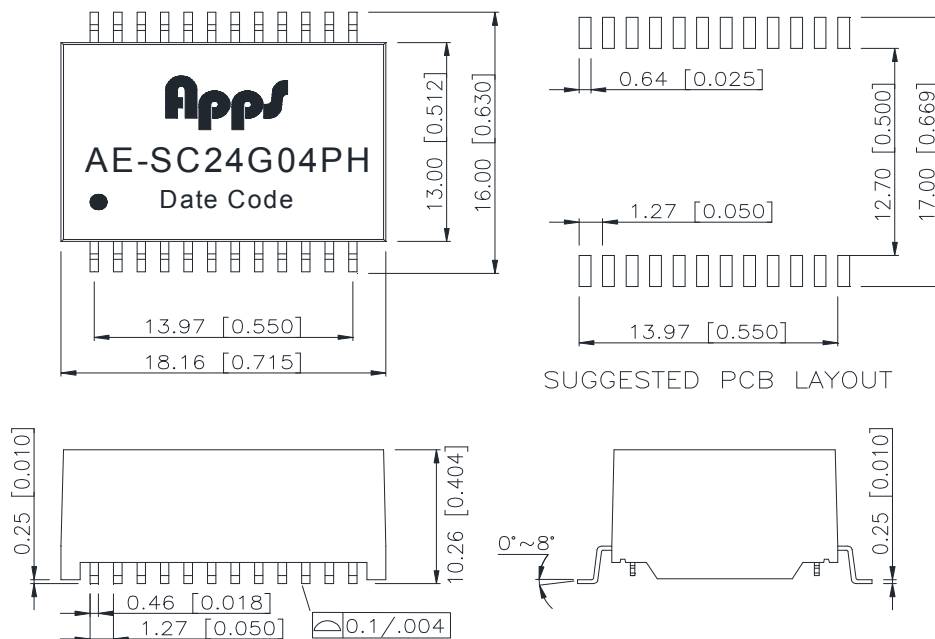
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	OCL(μH Min) @100KHz/0.1V		Insertion Loss (dB Max)	CMRR (dB Min)		HI-POT (Vrms)
	TX:RX	21mA DC	30mA DC	1-100MHz	1MHz	30-200MHz	
AE-SC24G04PH	1CT:1CT	350	150	-1.5	-50	-15+20*log(f/200)	1500

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Part Number	Return Loss (dB Min)					Cross Talk (dB Min)	
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	2MHz	30-100MHz
AE-SC24G04PH	-16	-14.0	-13.1	-10.0	-8.0	-50	-45+25*log(f/10)

Mechanicals:



Dimension: mm[Inch]±0.25[0.010]

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Schematics:

TCT1	1		24	MCT1
TD1+	2		23	MX1+
TD1-	3		22	MX1-
TCT2	4		21	MCT2
TD2+	5		20	MX2+
TD2-	6		19	MX2-
TCT3	7		18	MCT3
TD3+	8		17	MX3+
TD3-	9		16	MX3-
TCT4	10		15	MCT4
TD4+	11		14	MX4+
TD4-	12		13	MX4-

Package:

