

Part Number: AE-SC24B01

10/100/1000 BASE SINGLE PORT TRANSFORMER

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- Compliant with IEEE802.3 requirement.
- RoHS compliant.
- Operating temperature range:0°C to +70°C.
- Storage temperature range:-20°C to +125°C.

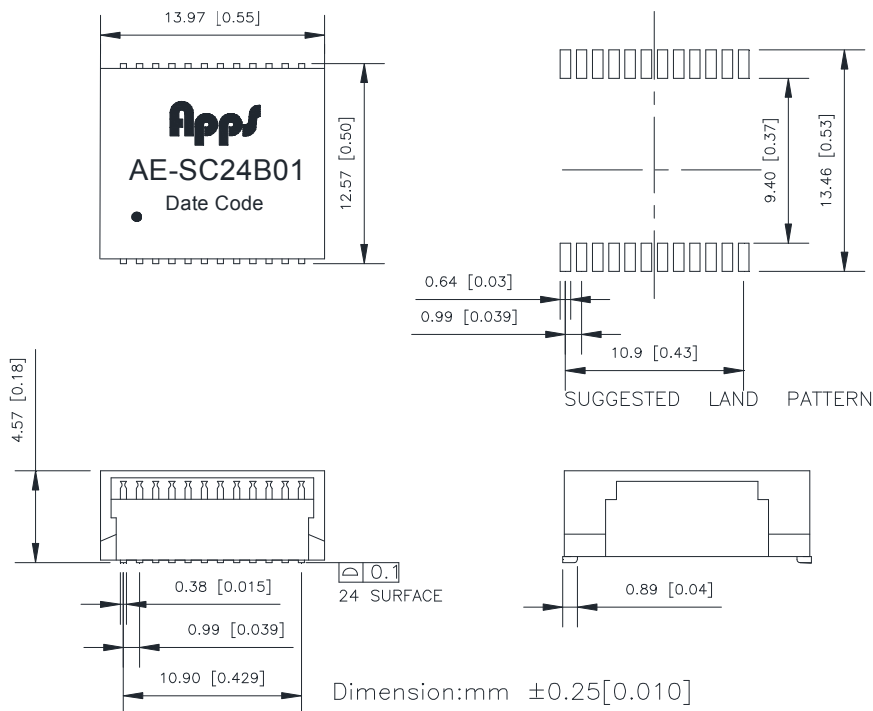
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)	OCL(μH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max)	DCMR (dB Min)			HI-POT (Vrms)
	TX: RX			30MHz	60MHz	100MHz	
AE-SC24B01	1CT:1CT	350	-1.0	-40	-35	-30	1500

Continue

Part Number	Return Loss (dB Min)					Cross Talk (dB Min)		
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
AE-SC24B01	-18	-14.4	-13.1	-12	-10	-40	-35	-30

Mechanicals:

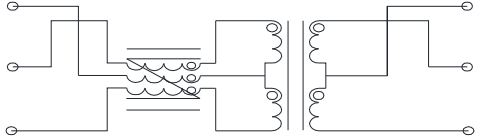
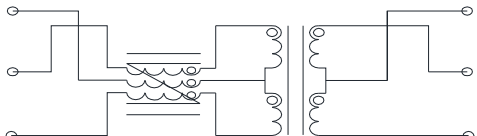
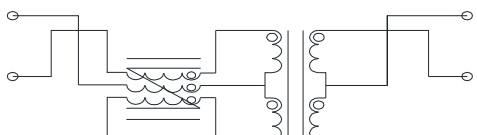
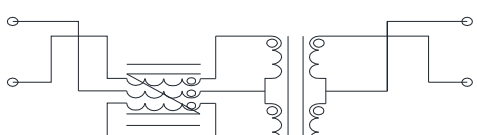


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Schematics:

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:

