

10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

P/N: TS1102 DATA SHEET

A. GENERAL SPECIFICATIONS:

1. 16 PIN, SMD PACKAGE TO MEET 10/100 MB T SPECIFICATION.
2. LOW LEAKAGE INDUCTANCE AND WINDING CAPACITANCES FOR FAST RISE TIME.
3. HIGH ISOLATION VOLTAGES TO COMPLY WITH INTERNATIONAL SAFETY REQUIREMENTS FOR LAN.
4. OPERATING TEMPANGE: 0°C TO 70°C.
5. STORAGE TEMP RANG: -25°C TO + 125°C

B. ELECTRICAL SPRCIFICATIONS: (25°C)

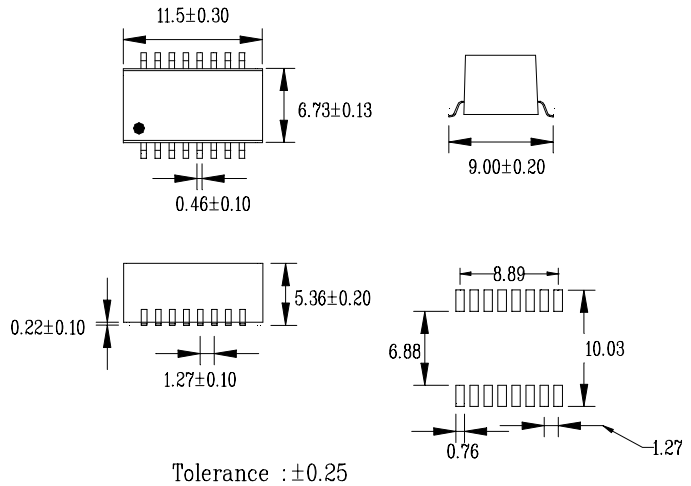
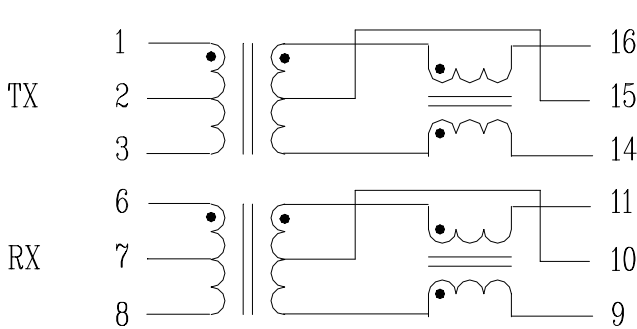
1. TURN RATIOS: (TX&RX) 1 : 1
2. INSERTION LOSS (100 KHz-100 MHz): 1.1 dB MAX
3. RETURN LOSS (dB Min):

30 MHz	60 MHz	80 MHz
-20	-14	-12
4. DIFFERENTIAL TO COMMON MODE REJECTION (dB MIN):

30 MHz	60 MHz	100 MHz
42	37	33
5. CROSSTALK (dB Min):

30 MHz	60 MHz	100 MHz
45	40	35
6. HI-POT (Vrms): 1500

C. SCHEMATIC & DIMENSIONS & MARKING (UNIT mm)



PIN 1 DOT