

# 100BASE-T INTERFACE TRANSFORMER

Reinforced Insulation Per EN 41003/EN 60950

Turns Ratio ( $\pm 5\%$ )

1CT:1CT

Meets IEE 802.3 and ANSI X3.263 Standards.

Parameter	Min.	Max.	Units
Open Circuit Inductance (8 mA DC Bias)	350		$\mu\text{H}$
Leakage Inductance		0.9	$\mu\text{H}$
Interwinding Capacitance ( $C_{WW}$ )		10	pF
Primary DC Resistance		0.9	ohms
Secondary DC Resistance		1.0	ohms
Insertion Loss (0.1 - 100 MHz)		-1.0	dB
Return Loss			
1 - 30 MHz	-22		dB
40 MHz	-20		dB
50 MHz	-18		dB
60 - 80 MHz	-12		dB
Isolation (HI-POT)	4000		$V_{\text{RMS}}$

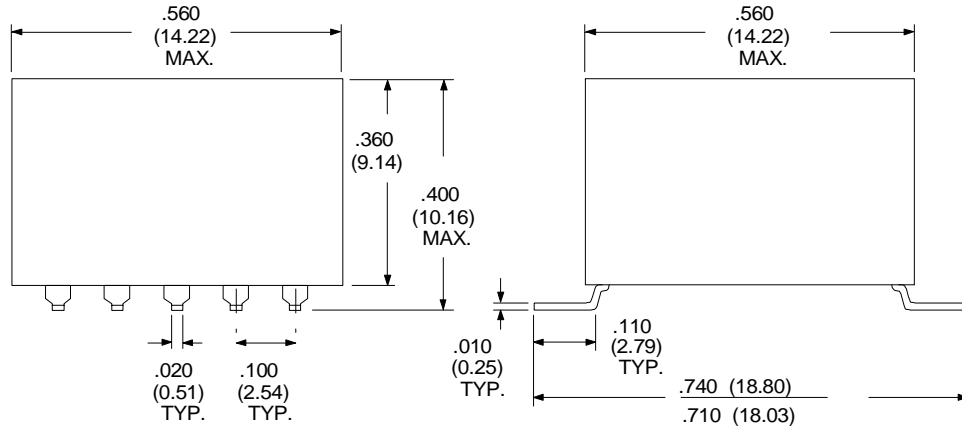
Transformer can be used for Transmit or Receive side.

Flammability: Materials used in the production of these units meet requirements of UL94-VO and IEC 695-2-2 needle flame test.

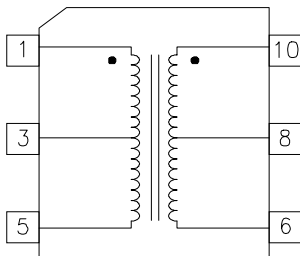
Parts shipped in anti-static tubes.  
31 pieces per tube

**OPERATING TEMPERATURE RANGE:**  
-40°C TO +85°C

Physical Dimensions  
inches (mm)



Schematic Diagram



**PRELIMINARY!**

RHOMBUS P/N: **T-1477G**

CUST P/N:

NAME:

DATE: **12/18/01**

SHEET: 1 OF 1