

# 10BASE T ISOLATION TRANSFORMER

Turns Ratio $\pm 5\%$	1CT : 1CT (Pins 1-3:16-14) <sup>1</sup> 1CT : 2.5CT (Pins 6-8:11-9) <sup>2</sup>
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Fast Rise Times

Meets ECMA Requirements

IEEE 802.3 Compatible  
(10BASE 2, 10BASE 5, & 10BASE T)

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. 19 pieces per tube

Surface Mount Option  
(add suffix "G" to part#)  
**T-14859G**

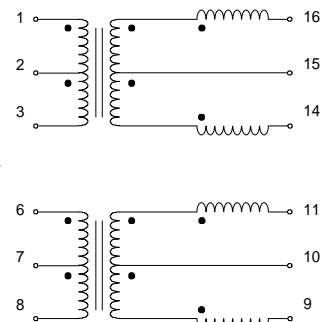
PARAMETER	MIN.	MAX.	UNITS
Open Circuit Inductance (1-3) @ 100 kHz-20mV	200		$\mu\text{H}$
Open Circuit Inductance (6-8) @ 100 kHz-20mV	200		$\mu\text{H}$
Leakage Inductance (1-3, Short 16-14) @ 100 kHz-20mV		0.5	$\mu\text{H}$
Leakage Inductance (6-8, Short 11-9) @ 100 kHz-20mV		0.5	$\mu\text{H}$
Interwinding Capacitance @ 100 kHz-20mV (1-3 to 14-16)		15	pF
Interwinding Capacitance @ 100 kHz-20mV (6-8 to 11-9)		15	pF
DC Resistance Primary		0.4	ohms
HI-POT	2000		$V_{\text{RMS}}$

Operating Temperature Range  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

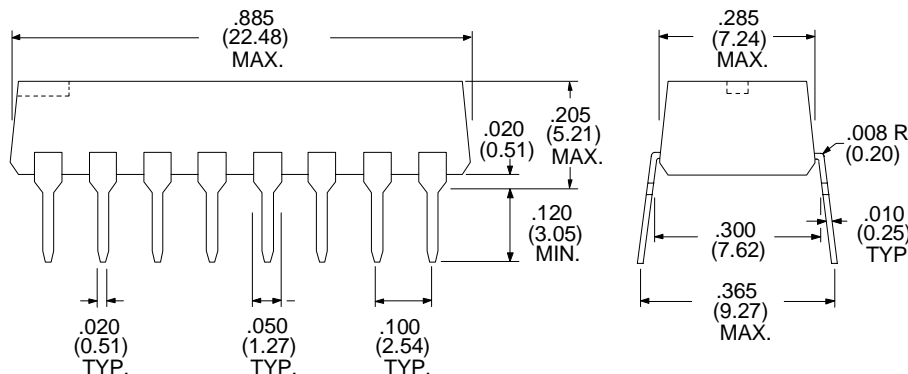
<sup>1</sup> Receive

<sup>2</sup> Transmit

## SCHEMATIC DIAGRAM



## Dimensions in inches (mm)



RHOMBUS P/N: **T-14859**

CUST P/N:

NAME:

DATE: 07/02/01

SHEET: 1 OF 1