

# 10BASE T ISOLATION TRANSFORMER

|                       |   |
|-----------------------|---|
| Turns Ratio $\pm 2\%$ | 2CT:1CT (Pins 1-3:16-14)<br>1CT:1CT (Pins 6-8:11-9) |
|-----------------------|---|

High Isolation 2000Vrms

Fast Rise Times

Meets ECMA Requirements

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

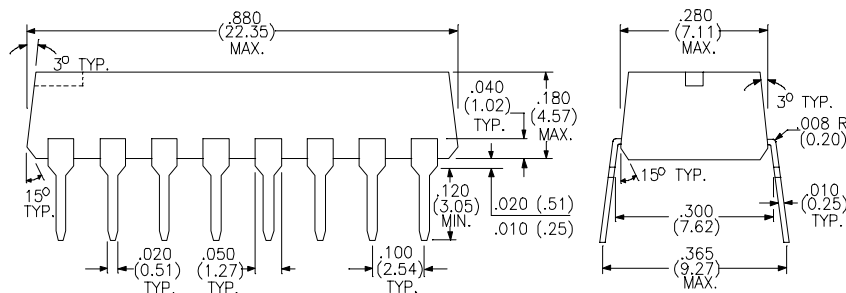
Common Mode  
Choke Option  
**T-14838**

Surface Mount Option  
(add suffix "G" to part#)  
**T-13038G**

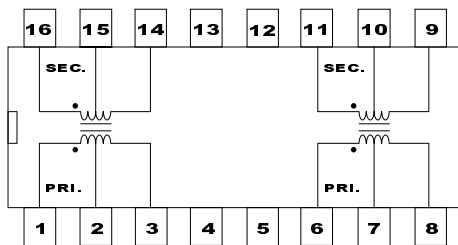
| PARAMETER   | MIN.   | MAX. | UNITS     |
|---|--|------|-----------|
|   | Open Circuit Inductance<br>Oscillation Voltage = 20mV<br>Oscillation Frequency = 100.0 KHz | 150  |           |
| Leakage Inductance<br>Oscillation Level = 20mV<br>Oscillation Frequency = 100.0 KHz |  | 1.0  | $\mu$ Hy  |
| Interwinding Capacitance ( $C_{w/w}$ )<br>Oscillation Frequency = 100.0 KHz         |  | 20   | pF        |
| Primary DC Resistance   |  | 0.9  | ohms      |
| Secondary DC Resistance   |  | 0.9  | ohms      |
| High Potential Test   | 2 Kv   |      | $V_{RMS}$ |

## PHYSICAL DIMENSIONS

All dimensions in inches (mm):



## SCHEMATIC DIAGRAM:



## RHOMBUS INDUSTRIES INC.

### FSCM NO. 16714

RHOMBUS P/N: T-13038

CUST P/N:

NAME:

DATE: 11/12/96

SHEET: 1 OF 1