

# T3 Interface Transformer

Also suitable for DS3, E3 and STS-1 interfaces

Turns Ratio ( ± 3% )

1CT : 1CT

PARAMETER	MIN.	MAX.	UNITS
Inductance	40		μHy
Rise Time		3.0	nS
Leakage Inductance		0.10	μHy
Capacitance (C <sub>ww</sub> )		10	pF
Primary DC Resistance		0.2	ohms
Isolation	1500		V <sub>RMS</sub>

Operating Temperature range: -40°C to +85°C

3 dB Bandwidth is .200 - 340 (MHz) typical, tested in a 75 ohm system

\*Also suitable for DS3, E3 and STS-1 interfaces

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

**Temperature Characteristics TX:**  
-40° C 24 μH min. (40% drop in inductance)

+85° C 56 μH min. (40% growth in inductance)

Typical part: TX Side

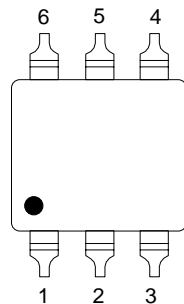
54.0 μH @ +25° C

78.5 μH @ +85° C

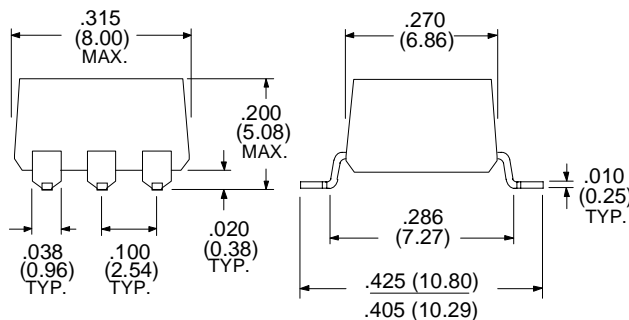
32.5 μH @ -40° C

Parts shipped in anti-static tubes. 55 pieces per tube

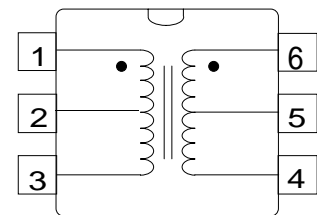
Tape & Reel Available



Dimensions in inches (mm)



Schematic Diagram



RHOMBUS P/N: **T-13112G**

CUST P/N:

NAME:

DATE: **10/23/00**

SHEET: 1 OF 1