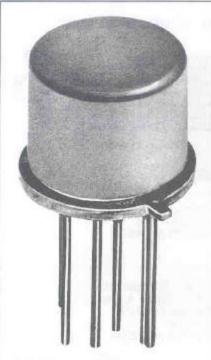
TO-222 Wideband RF/Pulse Transformers .5-450 MHz





DESCRIPTION

The TO series is a line of six TO-5 packaged transformers offering the most common configurations.

These transformers are high reliability devices designed to meet MIL-T-55631. Typical applications are: Interstage coupling, phase detection and pulse transformation.

LIMITED WARRANTY

Vari-L Company, Inc. warrants its products against defects in parts and workmanship for a period of one year.

GUARANTEED MINIMUM PERFORMANCE DATA

SPECIFICATIONS FOR MODEL

Type: 50 ohm unbalanced 200 ohm balanced symm.

- 1 dB Bandwidth, MHz Midband insertion loss dB	.5-450
Amplitude unbalance	1
Phase unbalance (deviation from 180°)°	17
VSWR	2.25:1

NOTE:

 1 dB bandwidth is measured relative to midband loss.

ABSOLUTE MAXIMUM RATINGS:

Input power 1 w. limited by (IDC2 + IRF2)Z ≅ Pmax. Temperature range - 54°C to +100°C

ENVIRONMENTAL CONDITIONS

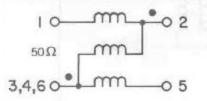
GUARANTEED ENVIRONMENTAL PERFORMANCE:

All units are designed to meet their specifications over -54°C to $+100^{\circ}\text{C}$ and after exposure to any or all of the following tests per MIL-STD-202E.

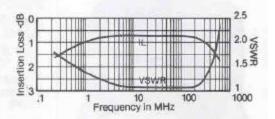
		Test	
Exposure	Method	Condition	
Thermal Shock	107D	В	
Altitude	105C	G	
H.F. Vibration	204C	D	
Mechanical Shock	213B	C	
Random Vibration (15 minutes per axis)	214	IIF	
Solderability	208C		
Terminal Strength Resistance to	211A	С	
Soldering Heat	210A	В	

Sealed units, meet the requirements of Method 106D of MIL-STD-202E when exposed to humidity.

FUNCTIONAL SCHEMATIC



TYPICAL PERFORMANCE

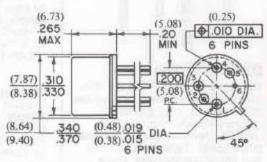


PACKAGE MATERIAL:

Header & Leads; F15 Kovar per ASTM Standard F-15-68 Cover: Nickel 200 per ASTM B162-58T

FINISH:

Header & Leads: Gold per MIL-G-45204, Type I, Grade A, Class 1, over nickel per QQ-N-290, Class 1, Form SB Cover: Nickel 200 per ASTM B162-58T



PIN 6 IS CASE GROUND