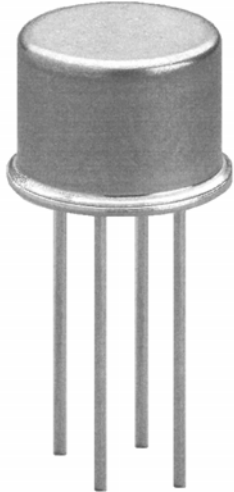


TO-212
Wideband
RF/Pulse
Transformers
.5-650 MHz



GUARANTEED MINIMUM PERFORMANCE DATA

SPECIFICATIONS FOR MODEL TO-212

Type: 50 ohm unbalanced
50 ohm unbalanced
ph. rev. DC isolated

- 1 dB Bandwidth, MHz .5-650
Midband insertion loss dB .5
VSWR 1.75:1

NOTE:

- 1 dB bandwidth is measured relative to midband loss.

ABSOLUTE MAXIMUM RATINGS:

Input power 2 w. limited by $(I_{DC}^2 + I_{RF}^2)Z \cong P_{max}$.
Temperature range - 54°C to + 100°C

ENVIRONMENTAL CONDITIONS

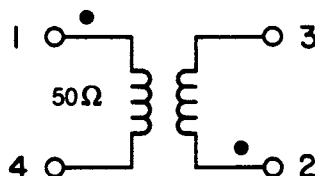
GUARANTEED ENVIRONMENTAL PERFORMANCE:

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

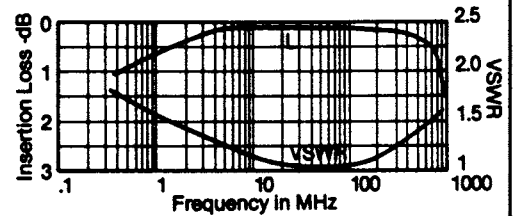
Exposure	Method	Test Condition
Thermal Shock	107D	B
Altitude	105C	G
H.F. Vibration	204C	D
Mechanical Shock	213B	C
Random Vibration (15 minutes per axis)	214	IIF
Solderability	208C	
Terminal Strength	211A	C
Resistance to Soldering Heat	210A	B

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

FUNCTIONAL SCHEMATIC



TYPICAL PERFORMANCE



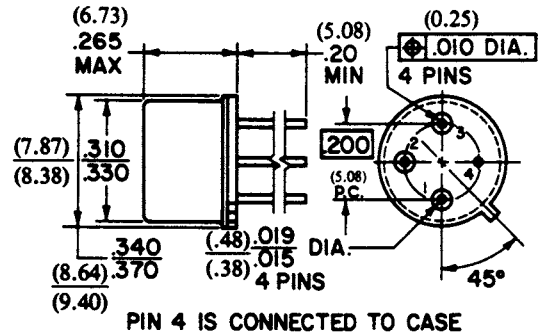
PACKAGE

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



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.

Specifications subject to change without notice.

8.10.04 Rev. A