





DESCRIPTION

The HF series is a line of eight transformers offering all popular configurations in our popular six pin molded epoxy package. These transformers are high reliability devices designed to meet MIL-T-55631.

Typical applications are: Interstage coupling, phase detection and pulse transformation.

GUARANTEED MINIMUM PERFORMANCE DATA SPECIFICATIONS FOR MODEL HF-102

Type: 50 ohm unbalanced 12.5 ohm unbalanced

- 2 dB Bandwidth, MHz	.5-1000
Midband insertion loss dB	.75
VSWR (– 2 dB point)	2.5:1

NOTE:

- 1 dB bandwidth is measured relative to midband loss.

ABSOLUTE MAXIMUM RATINGS:

Input power 2 w. limited by (IDC2 + IRF2)Z ≅ Pmax. Temperature range - 54°C to + 100°C

ENVIRONMENTAL CONDITIONS

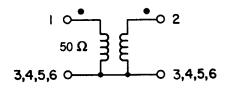
GUARANTEED ENVIRONMENTAL PERFORMANCE:

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

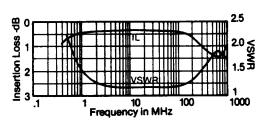
		lest
Exposure	Method	Condition
Thermal Shock	107D	В
Altitude	105C	G
H.F. Vibration	204C	D
Mechanical Shock	213B	С
Random Vibration	214	IIF
(15 minutes per axis)		
Solderability	208C	
Terminal Strength	211A	С
Resistance to		
Soldering Heat	210A	В

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

FUNCTIONAL SCHEMATIC



TYPICAL PERFORMANCE



PACKAGE

MATERIAL:

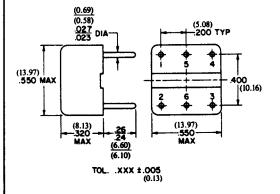
Header: Diallyl Phthalate Leads: Phosphor Bronze, Grade A, Spring temper

FINISH:

Header: Glossy red Diallyl

Phthalate

Leads: Silver plated per QQ-S-365A, Type I, Grade B



Specifications subject to change without notice.