

RF Pulse Transformer

500 kHz - 1.5 GHz

TP-101

V2.00

Features

- 50 Ohms Unbalanced/50 Ohms Balanced
- Fast Rise Time – 0.18 nS
- Low Insertion Loss – 0.4 dB Typ

Guaranteed Specifications (From -55°C to +85°C)

Frequency Range (1 dB Bandwidth)	500 kHz-1.5 GHz	
Impedance		
Input	50 Ohms Unbalanced	
Output	50 Ohms Balanced	
Insertion Loss	10-50 MHz	0.5 dB Max
VSWR	1 MHz-1 GHz	1.4:1 Max
	750 kHz-1.5 GHz	1.6:1 Max

Operating Characteristics

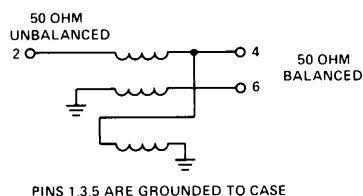
Input Power	750 kHz-1 MHz	1.0 Watt Max
	1 MHz-5 MHz	1.5 Watts Max
	5 MHz-1.5 GHz	3.0 Watts Max
Rise Time (10-90%)	0.18 nS Typ	
Droop (10%)	300 nS Typ	

Environmental

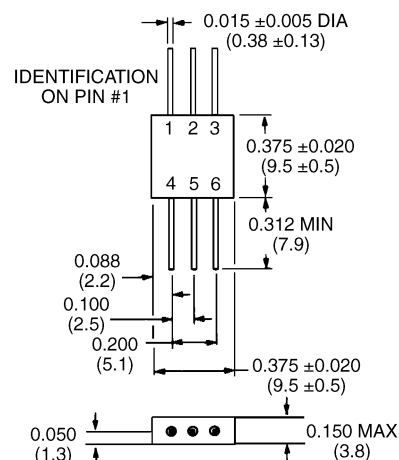
MIL-STD-202 screening available.

Schematic

PIN CONFIGURATION:



FP-1



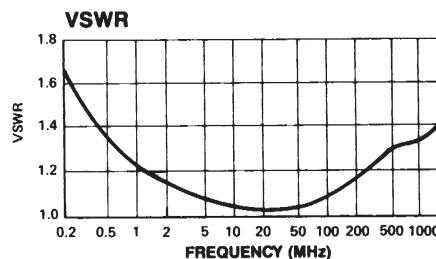
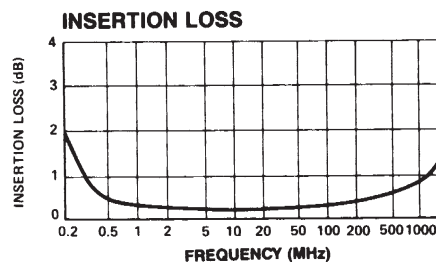
Dimensions in () are in mm.

Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)

.xx = ± 0.02 (.x = ± 0.5)

Weight (Approx.): 0.07 Ounces 2 Grams

Typical Performance



Ordering Information

Model No.	Package
TP-101 PIN	Flatpack