

# 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)

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

### Operating Characteristics

<b>Input Power</b>	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

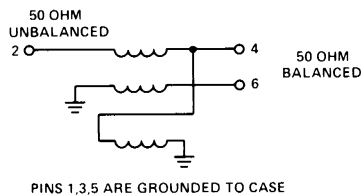
**Droop (10%)** 300 nS Typ

### Environmental

MIL-STD-202 screening available.

### Schematic

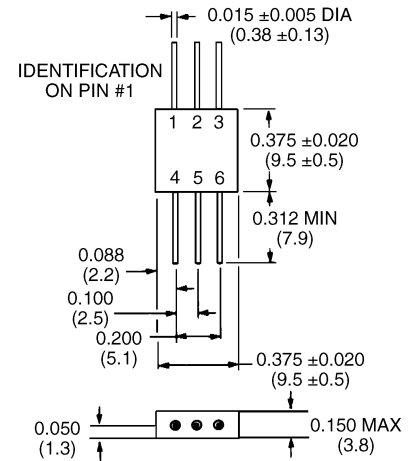
PIN CONFIGURATION:



### Ordering Information

<b>Model No.</b>	<b>Package</b>
TP-101 PIN	Flatpack

### 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

