

# RF Pulse Transformer

## 1 - 500 MHz

TP-102

V2.00

### Features

- 50 Ohms Unbalanced
- 200 Ohms Unbalanced
- Fast Rise Time - 0.35 nS
- Low Insertion Loss - 0.75 dB Typ

### Guaranteed Specifications\*

(From -55°C to +85°C)

<b>Frequency Range</b> (1 dB Bandwidth)	1-500 MHz	
<b>Impedance</b>		
Input	50 Ohms Unbalanced	
Output	200 Ohms Unbalanced	
<b>Insertion Loss</b>	10-50 MHz	0.75 dB Max
<b>VSWR</b>	5-250 MHz	1.3:1 Max
	2-500 MHz	1.6:1 Max
	1-2 MHz	2.0:1 Max

### Operating Characteristics

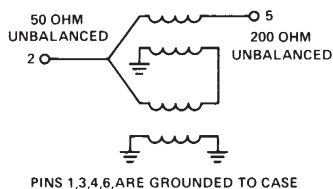
<b>Input Power</b>	1-5 MHz	0.5 Watt Max
	5 MHz-1 GHz	1.0 Watt Max
<b>Rise Time (10-90%)</b>	0.35 nS Typ	
<b>Droop (10%)</b>	150 nS Typ	

### Environmental

MIL-STD-202 screening available.

### Schematic

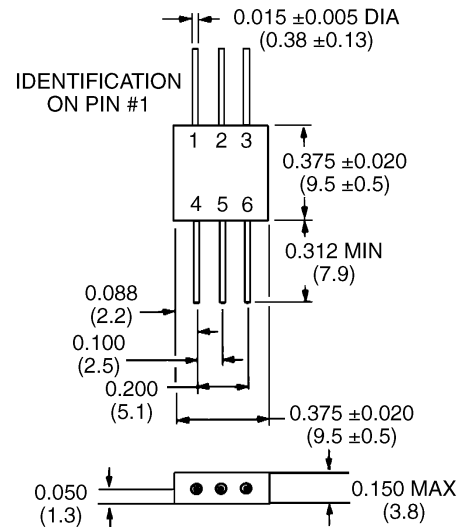
#### PIN CONFIGURATION:



### Ordering Information

<b>Model No.</b>	<b>Package</b>
TP-102 PIN	Flatpack

### FP-1



Dimension 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

