

# RF Pulse Transformer

## 500 kHz - 1GHz

TP-103

V2.00

### Features

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

### Guaranteed Specifications\*

(From – 55°C to + 85°C)

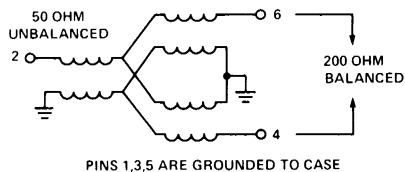
<b>Frequency Range (1 dB Bandwidth)</b>	500 kHz-1 GHz	
<b>Impedance</b>		
Input	50 Ohms Unbalanced	
Output	200 Ohms Balanced	
<b>Insertion Loss</b>	10-50 MHz	0.6 dB Max
<b>VSWR</b>	2-500 MHz	1.4:1 Max
	500 kHz-1 GHz	2.0:1 Max

### Operating Characteristics

<b>Input Power</b>	500 kHz-1 MHz	1.0 Watt Max
	1 MHz-5 MHz	1.5 Watts Max
	5 MHz-1 GHz	3.0 Watts Max
<b>Rise Time (10-90%)</b>	0.18 nS Typ	
<b>Droop (10%)</b>	160 nS Typ	
<b>Environmental</b>	MIL-STD-202 screening available.	

### Schematic

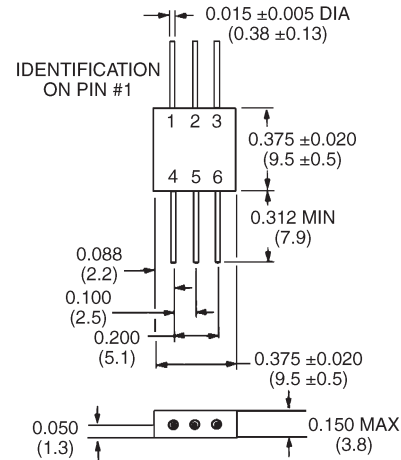
#### PIN CONFIGURATION:



### Ordering Information

<b>Model No.</b>	<b>Package</b>
TP-103 PIN	Flatpack

### FP-1



Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
.xx = ±0.02 (.x = ±0.02)  
WEIGHT (APPROX.): 0.07 OUNCES 2 GRAMS

### Typical Performance

