



# 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 (1 dB Bandwidth)</b>	1-500 MHz	
<b>Impedance</b>	50 Ohms Unbalanced	
Input	200 Ohms Unbalanced	
Output		
<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

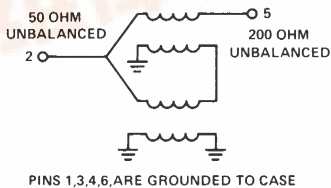
<b>Input Power</b>	1-5 MHz	0.5 Watt Max
	5 MHz-1 GHz	1.0 Watt Max
<b>Rise Time (10-90%)</b>	0.35 nS Typ	
<b>Drop (10%)</b>	150 nS Typ	

## Environmental

MIL-STD-202 screening available.

## Schematic

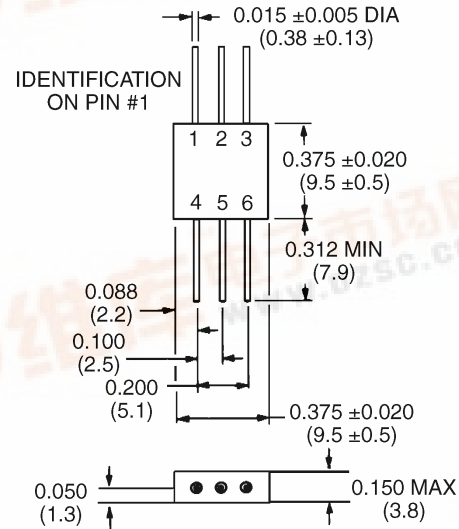
### PIN CONFIGURATION:



## Ordering Information

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

## FP-1



Dimension in ( ) are in mm.

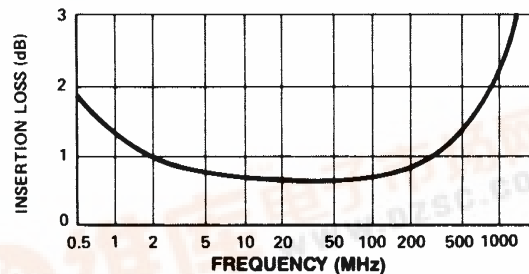
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)

.xx = ±0.02 (.x = ±0.5)

WEIGHT (APPROX): 0.07 OUNCES 2 GRAMS

## Typical Performance

### INSERTION LOSS



### VSWR

