

# 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><br>(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

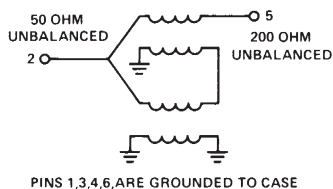
|                           |             |              |
|---------------------------|-------------|--------------|
| <b>Input Power</b>        | 1-5 MHz     | 0.5 Watt Max |
|                           | 5 MHz-1 GHz | 1.0 Watt Max |
| <b>Rise Time (10-90%)</b> | 0.35 nS Typ |              |
| <b>Droop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

### Environmental

MIL-STD-202 screening available.

### Schematic

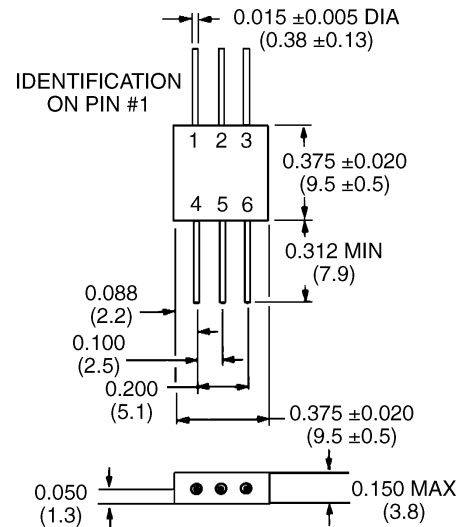
#### PIN CONFIGURATION:



### 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

