

RF Pulse Transformer

500 kHz - 1 GHz

TP-105

V2.00

Features

- 50 Ohms Unbalanced/12.5 Ohms Unbalanced
- Low VSWR - 1.1:1 Typ
- Low Insertion Loss - 0.4 dB Typ

Guaranteed Specifications*

(From -55°C to +85°C)

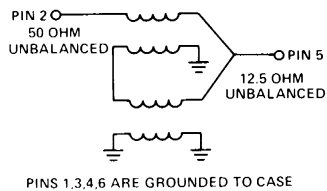
| | | |
|---|----------------------|-------------|
| Frequency Range (1 dB Bandwidth) | 500 kHz-1 GHz | |
| Impedance | 50 Ohms Unbalanced | |
| Input | 12.5 Ohms Unbalanced | |
| Output | | |
| Insertion Loss | 10-50 MHz | 0.50 dB Max |
| VSWR | 1-500 MHz | 1.4:1 Max |
| | 500 kHz-1 GHz | 1.6:1 Max |

Operating Characteristics

| | | |
|---------------------------|-------------------------------------|-----------------|
| Input Power | 500 kHz-1 MHz | 0.375 Watts Max |
| | 1 MHz-5 MHz | 0.75 Watts Max |
| | 5 MHz-1 GHz | 1.5 Watts Max |
| Rise Time (10-90%) | 0.3 nS Typ | |
| Droop (10%) | 350 nS Typ | |
| Environmental | MIL-STD screening option available. | |

Schematic

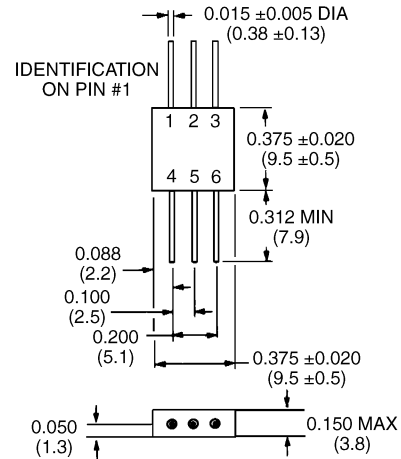
PIN CONFIGURATION:



Ordering Information

| | |
|------------------|----------------|
| Model No. | Package |
| TP-105 PIN | Flatpack |

FP-1



Weight (Approx.): 0.07 Ounces 2 Grams
Dimensions in () are in mm.
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)
.xx = ±0.02 (.x = ±0.5)

Typical Performance

