

# RF Pulse Transformer, 350 - 1125 MHz

Rev. V3

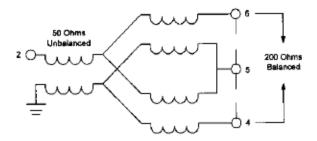
#### **Features**

- 50 Ohms Unbalanced to Dual 100 Ohms Unbalanced
- Unbalanced or 200 Ohms Balanced
- Low Insertion Loss
- Accessible Center Tap for DC Bias
- MIL-STD-202 Screening Available

## **Description**

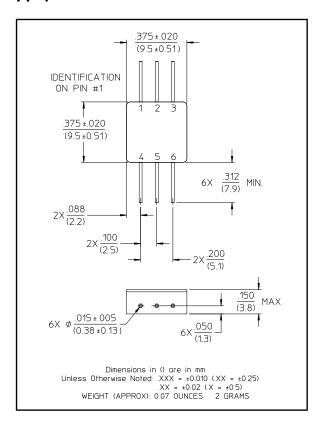
The transformer coupled balun can provide a wide frequency range. DC isolation from primary coil to secondary coil is also a feature of this device.

## **Schematic/Pin Configuration**



Pins 1, 3 are grounded to case Pin 5 is to be externally biased or grounded

#### FP-1



# Electrical Specifications: $T_A = -55$ °C to +85°C

Parameter	Test Conditions	Frequency	Units	Min	Тур	Max
Impedance	Input - 50 Ohms Unbalanced Output - 200 Ohms Balanced	_		_	_	_
Insertion Loss	_	500 - 1000 MHz	dB	_	_	1.0
VSWR	_	500 MHz - 1000 MHz 350 MHz - 1125 MHz	Ratio Ratio	_	_	1.5:1 2.5:1
Input Power		350 MHz - 1125 MHz	Watts	_	_	3.0

<sup>•</sup> North America Tel: 800.366.2266 • Europe Tel: +353.21.244.6400

India Tel: +91.80.4155721
China Tel: +86.21.2407.1588
Visit www.macomtech.com for additional data sheets and product information.

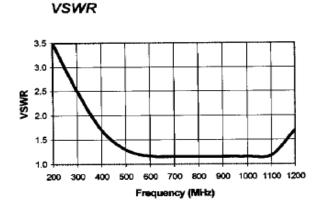


RF Pulse Transformer, 350 - 1125 MHz

Rev. V3

## **Typical Performance Curves**

# Insertion Loss Insertion Loss (dB) 700 800 900 1000 1100 1200 200 300 400 600 Frequency (MHz)



# **Ordering Information**

Part Number	Package		
TP-108 PIN	FP-1		

typical. Mechanical outline has been fixed. Engineering samples

Commitment to produce in volume is not gui