

# RF Pulse Transformer, 500 KHz - 1.5 GHz

Rev. V3

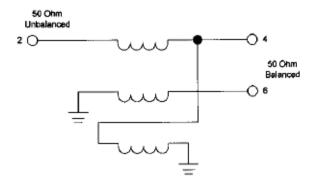
#### **Features**

- 50 Ohms Unbalanced/50 Ohms Balanced
- Fast Rise Time: 0.18 nS
- Low Insertion Loss: 0.4 dB Typical
- MIL-STD-202 Screening Available

## **Description**

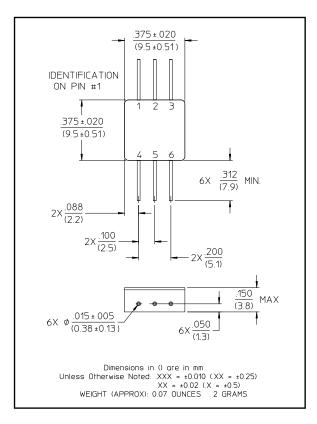
The transformer coupled balun can provide a wide frequency range. DC isolation from primary coil to secondary coil is also a feature of this device.

### **Schematic/Pin Configuration**



Pins 1, 3, 5 are grounded to case

### 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 - 50 Ohms Balanced	_	_	_	_	
Insertion Loss	_	10 - 50 MHz	dB	_	_	0.5
VSWR	_	1 MHz - 1 GHz 750 KHz - 1.5 GHz	Ratio Ratio	_	_	1.4:1 1.6:1
Input Power		750 KHz - 1 MHz 1 MHz - 5 MHz 5 MHz - 1.5 GHz	Watts Watts Watts			1.0 1.5 3.0
Rise Time	10 - 90%	_	nS	_	0.18	_
Droop (10%)	_	_	nS	_	300	_

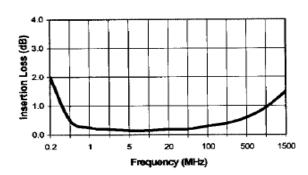


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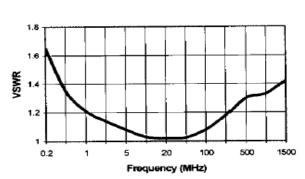
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# **Typical Performance Curves**

### Insertion Loss



### **VSWR**



## **Ordering Information**

Part Number	Package		
TP-101 PIN	FP-1		

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