

# RF Pulse Transformer, 750 KHz - 400 MHz

Rev. V3

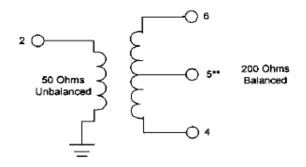
#### **Features**

- 50 Ohms Unbalanced/200 Ohms Balanced
- Low Insertion Loss: 0.4 dB Typical
- DC Isolation: Input to Output
- MIL-STD-202 Screening Available

## Description

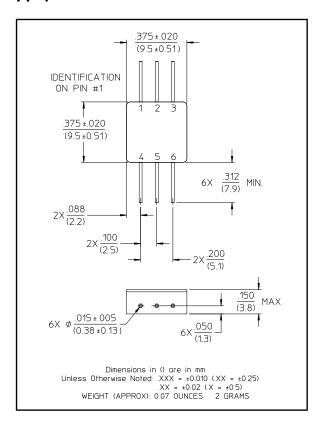
The flux coupled Balun Transformer can provide a wide range of impedance ratios: 1:1, 4:1, 9:1 and 16:1 are most common. DC isolation from primary coil to secondary coil is also a feature of this device.

### Schematic/Pin Configuration



Pins 1 & 3 are grounded to case \*\* Pin 5 to be externally 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	_	10 - 50 MHz	dB	_	_	0.55
VSWR	_	5 MHz - 200 MHz 750 MHz - 400 MHz	Ratio Ratio	_	_	1.3:1 2.0:1
Input Power		750 MHz - 4 MHz 4 MHz - 400 MHz	Watts Watts	_	_	0.4 1.0
Rise Time	10 - 90%	_	nS	_	0.55	_
Droop (10%)	_	_	nS	_	130	_

Solutions has under development. Performance is based on engineering tests. Specifications are

typical. Mechanical outline has been fixed. Engineering samples

Commitment to produce in volume is not du

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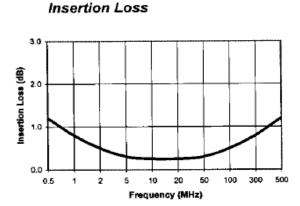
Visit www.macomtech.com for additional data sheets and product information.

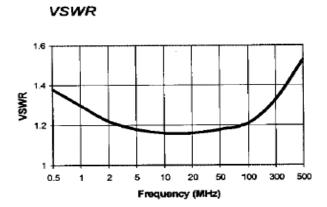


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## **Typical Performance Curves**





## **Ordering Information**

Part Number	Package		
TP-104 PIN	FP-1		

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