RF Pulse Transformer, 750 KHz - 400 MHz

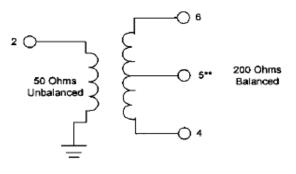
Features

- 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

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	_

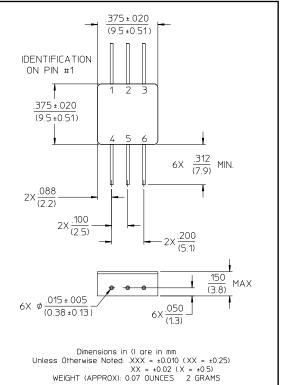
1

Solutions has under development. Performance is based on engineering tests. Specifications are typical. Mechanical outline has been fixed. Engineering samples and/or test data may be available.

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

2 3 .375±.020 (9.5±0.51) 5 6 .<u>312</u> (7.9) 6X 2X (.088) (2.2) 2X <u>.100</u> (2.5) 2X <u>.200</u> (5.1) .015 ±.005 6X Ø .050 (0.38 ±0.13 6X (1.3)

FP-1





Rev. V3

Commitment to produce in volume is not guaranteed.

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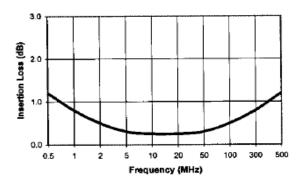
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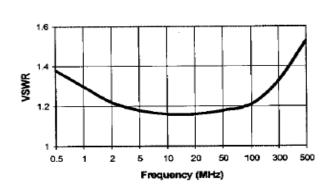


Rev. V3

Typical Performance Curves

Insertion Loss





Ordering Information

VSWR

Part Number	Package		
TP-104 PIN	FP-1		

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