TP-101

RF Pulse Transformer, 500 KHz - 1.5 GHz

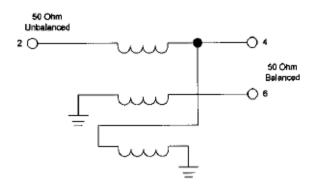


- 50 Ohms Unbalanced/50 Ohms Balanced
- Fast Rise Time: 0.18 nS
- Low Insertion Loss: 0.4 dB Typical
- MIL-STD-202 Screening Available

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

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

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is considering for development. Performance is based on target specifications, simulated results, and/or prototype measurements. Commitment to develop is not guaranteed.

PRELIMINARY: Data Sheets contain information regarding a product M/A-COM Technology

typical. Mechanical outline has been fixed. Engineering samples

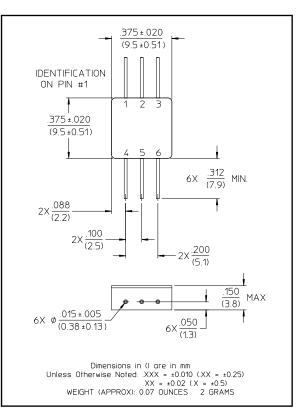
Commitment to produce in volume is not gu

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	—

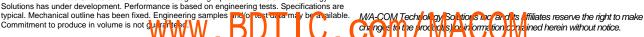


Rev. V3

FP-1



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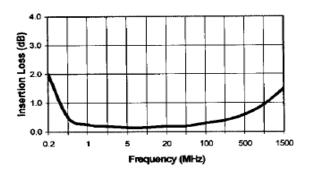
RF Pulse Transformer, 500 KHz - 1.5 GHz

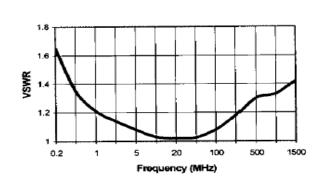


Rev. V3

Typical Performance Curves

Insertion Loss





Ordering Information

VSWR

Part Number	Package		
TP-101 PIN	FP-1		

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