

Excellent Integrated System Limited

Stocking Distributor

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M/A-Com Technology Solutions TP-103-PIN

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



Distributor of M/A-Com Technology Solutions: Excellent Integrated System Limited Datasheet of TP-103-PIN - TRANSFORMER WIDE-BAND Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

TP-103

RF Pulse Transformer, 500 KHz - 1 GHz

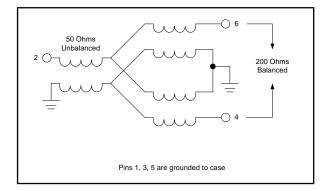
Features

- 50 Ohms Unbalanced/200 Ohms Balanced
- Fast Rise Time: 0.18 nS
- Low Insertion Loss: 0.4 dB Typical
- MIL-STD-202 Screening Available

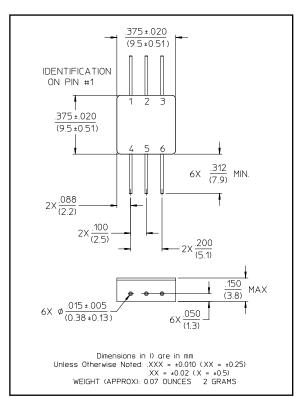
Description

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



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		_	0.6
VSWR	_	2 - 500 MHz 500 KHz - 1 GHz	Ratio Ratio		_	1.4:1 2.0:1
Input Power		500 KHz - 1 MHz 1 MHz - 5 MHz 5 MHz - 1 GHz	Watts Watts Watts			1.0 1.5 3.0
Rise Time	10 - 90%	—	nS	—	0.18	—
Droop (10%)	_		nS	—	160	—

¹

ADVANCED: Data Sheets contain information regarding a product M/A-COM Technology Solutions 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 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. Commitment to produce in volume is not guaranteed.

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Rev. V3

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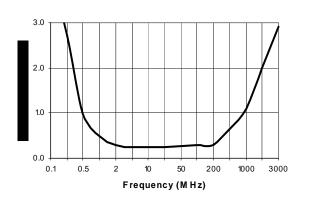


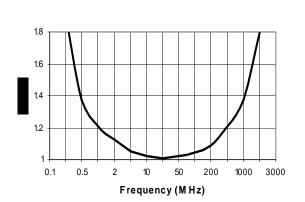
RF Pulse Transformer, 500 KHz - 1 GHz

Rev. V3

Typical Performance Curves

Insertion Loss





Ordering Information

VSWR

Part Number	Package		
TP-103 PIN	FP-1		

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