

RF Pulse Transformer, 500 KHz - 1 GHz

Rev. V3

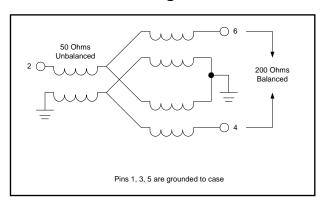
Features

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

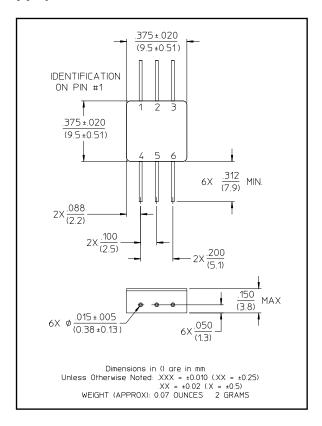
Description

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	_

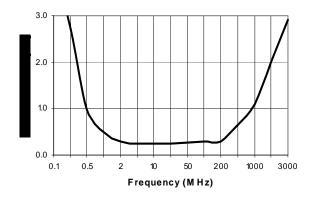


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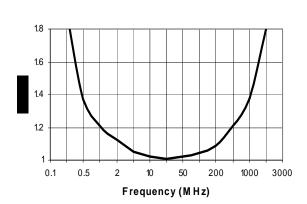
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Typical Performance Curves

Insertion Loss



VSWR



Ordering Information

Part Number	Package		
TP-103 PIN	FP-1		

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