RF Pulse Transformer 1 - 500 MHz



TP-102 Rev. V4

Features

- 50 Ω Unbalanced / 200 Ω Unbalanced
- 0.75 dB Insertion Loss
- 0.35 ns Rise Time
- MIL-STD-202 Screening Available

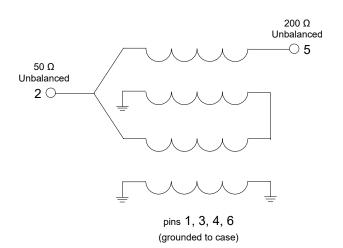
Applications

- Aerospace & Defense
- ISM

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.

Functional Schematic



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

Parameter	Test Conditions	Units	Min.	Тур.	Max.
Impedance	Input: Unbalanced Output: Unbalanced	Ω	_	50 200	_
Insertion Loss	10 - 50 MHz	dB	_	0.75	_
VSWR	5 - 250 MHz 2 - 500 MHz 1 - 2 MHz	Ratio	_	_	1.3:1 1.6:1 2.0:1
Input Power	1 - 5 MHz 5 MHz - 1 GHz	W	_	_	0.5 1.0
Rise Time	10% - 90%	ns	_	0.35	_
Droop (10%)	_	ns	_	150	_

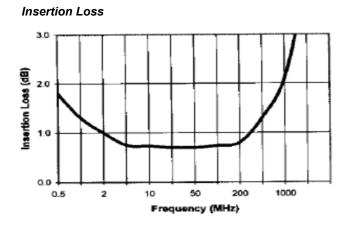
Ordering Information

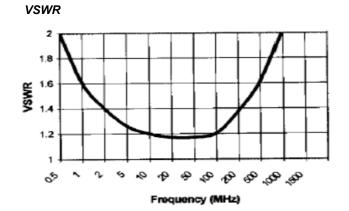
Part Number	Package
TP-102-PIN	tape & reel



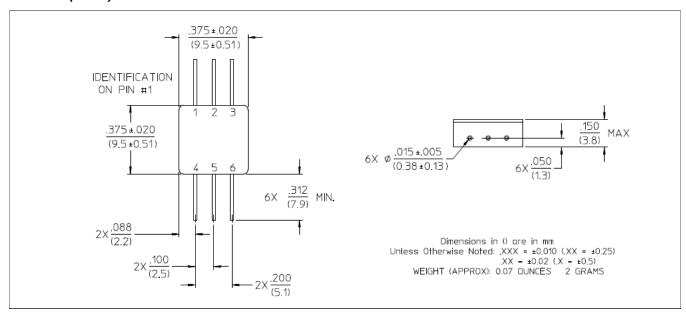
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Typical Performance Curves





Outline (FP-1)



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