

RF Pulse Transformer

750 kHz - 400 MHz



TP-104
Rev. V4

Features

- 50 Ω Unbalanced / 200 Ω Balanced
- 0.4 dB Insertion Loss
- DC Isolation: Input to Output
- MIL-STD-202 Screening Available

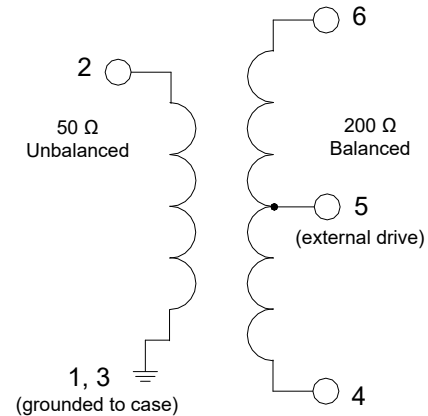
Applications

- Aerospace & Defense
- ISM

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.

Functional Schematic



Electrical Specifications: $T_A = -55^\circ\text{C} - +85^\circ\text{C}$

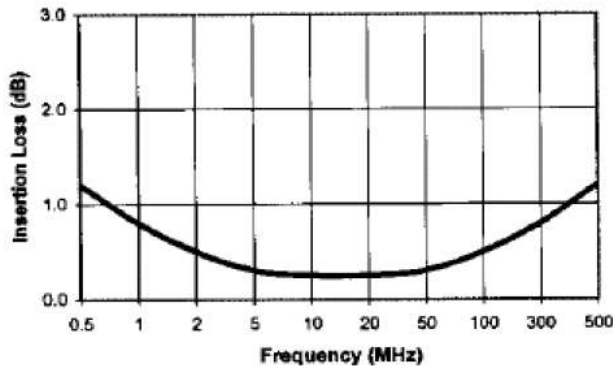
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Impedance	Input: Unbalanced Output: Balanced	Ω	—	50 200	—
Insertion Loss	10 - 50 MHz	dB	—	—	0.55
VSWR	5 - 200 MHz 750 kHz - 400 MHz	Ratio	—	—	1.3:1 2.0:1
Input Power	750 kHz - 400 MHz 4 - 400 MHz	W	—	—	0.4 1.0
Rise Time	10% - 90%	ns	—	0.55	—
Drop (10%)	—	ns	—	130	—

Ordering Information

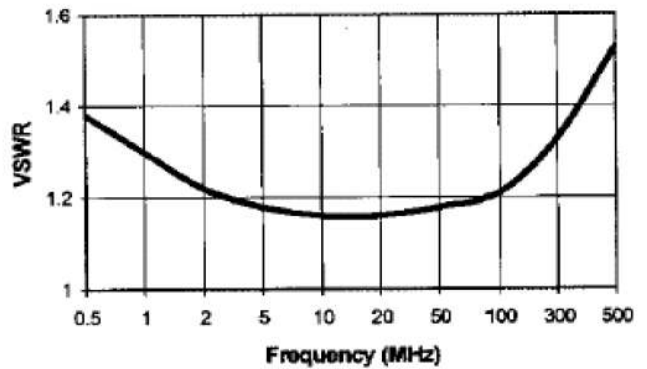
Part Number	Package
TP-104-PIN	tape & reel

Typical Performance Curves

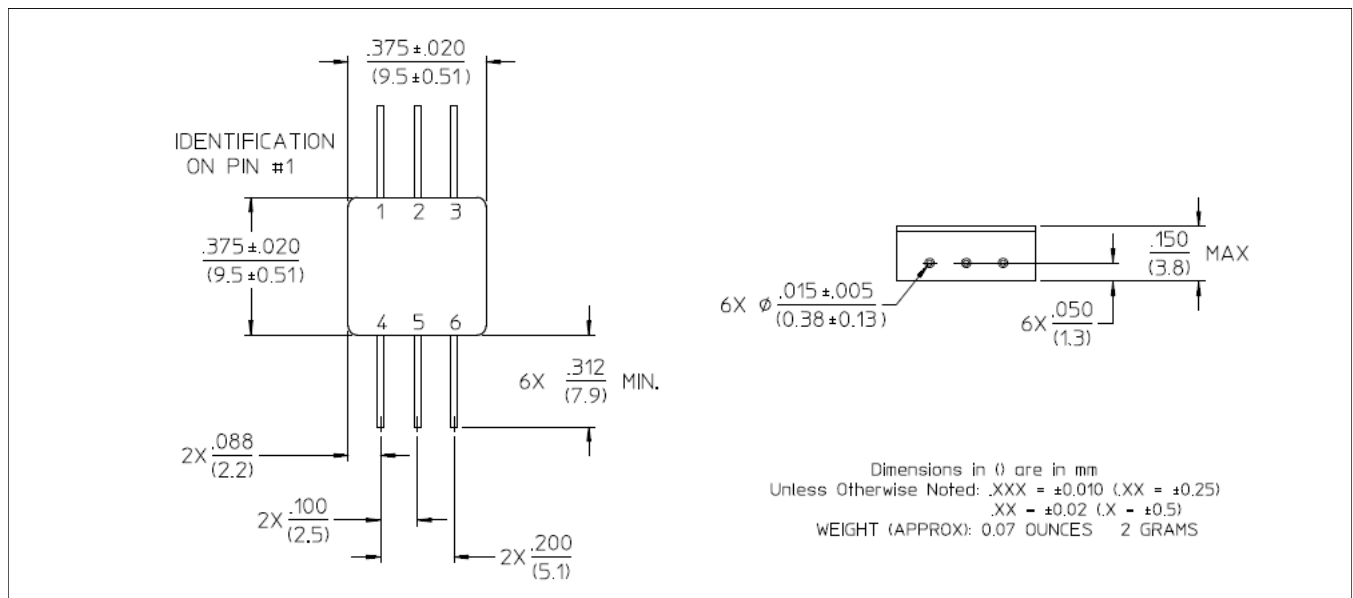
Insertion Loss



VSWR



Outline (FP-1)



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