

RF Pulse Transformer 350 - 1125 MHz



TP-108
Rev. V4

Features

- 50 Ω Unbalanced to Dual 100 Ω Unbalanced
- Unbalanced or 200 Ω Balanced
- Low Insertion Loss
- Accessible Center Tap for DC Bias
- MIL-STD-202 Screening Available

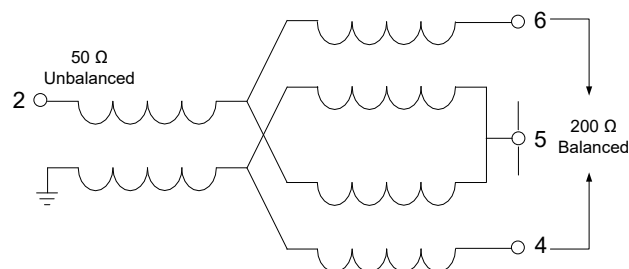
Applications

- 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



pins 1, 3 (grounded to case)
pin 5 (externally biased or grounded)

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

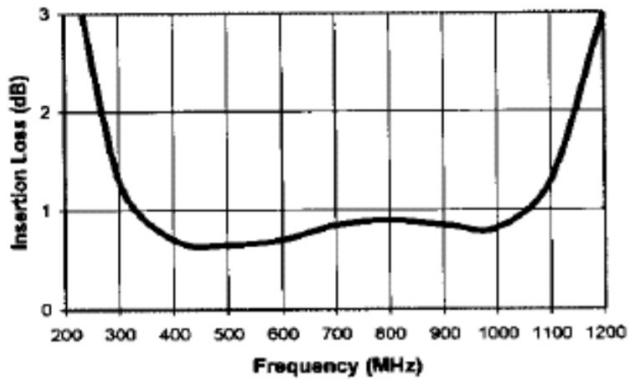
Parameter	Test Conditions	Units	Min.	Typ.	Max.
Impedance	Input: Unbalanced Output: Balanced	Ω	—	50 200	—
Insertion Loss	500 - 1000 MHz	dB	—	—	1
VSWR	500 - 1000 MHz 350 - 1125 MHz	Ratio	—	—	1.5:1 2.5:1
Input Power	350 - 1125 MHz	W	—	—	3

Ordering Information

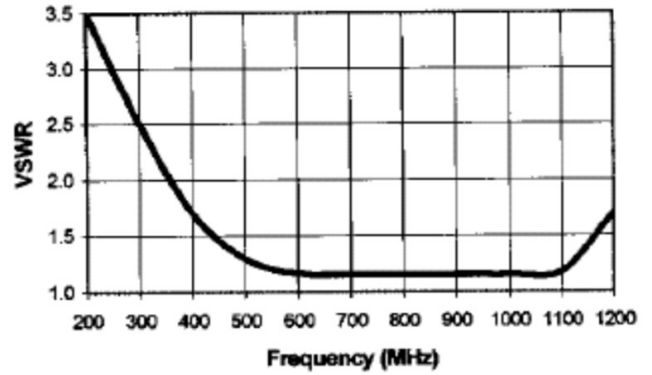
Part Number	Package
TP-108-PIN	tape & reel

Typical Performance Curves

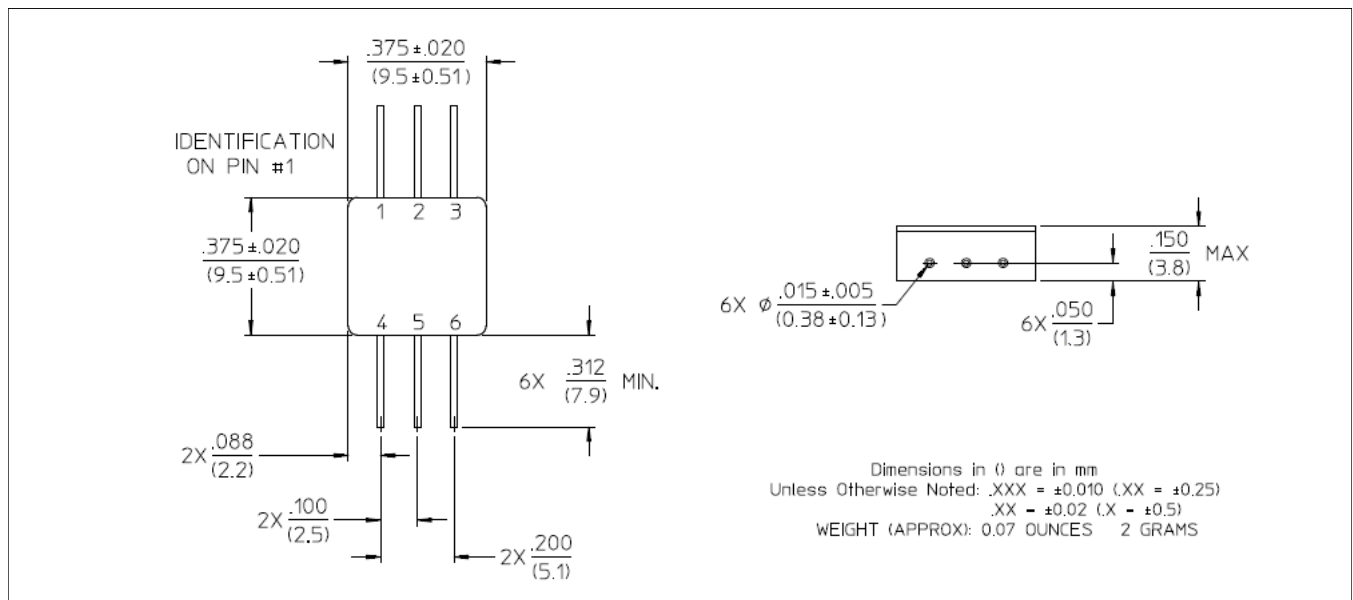
Insertion Loss



VSWR



Outline (FP-1)



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