

RF Pulse Transformer 1 - 500 MHz

Features

- 50 Ohms Unbalanced
- 200 Ohms Unbalanced
- Fast Rise Time 0.35 nS
- Low Insertion Loss 0.75 dB Typ

Guaranteed Specifications* (From – 55°C to + 85°C)

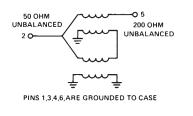
Frequency Range (1 dB Bandwidth)		1-500 MHz
Impedance Input Output		50 Ohms Unbalanced 200 Ohms Unbalanced
Insertion Loss	10-50 MHz	0.75 dB Max
VSWR	5-250 MHz 2-500 MHz 1-2 MHz	1.3:1 Max 1.6:1 Max 2.0:1 Max

Operating Characteristics

Input Power	1-5 MHz 5 MHz-1 GHz	0.5 Watt Max 1.0 Watt Max
Rise Time (10-90%)		0.35 nS Typ
Droop (10%)		150 nS Typ
Environmental MIL-STD-202 screenir	ng available.	

Schematic

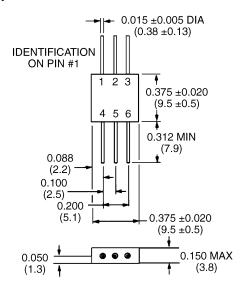
PIN CONFIGURATION:



Ordering Information

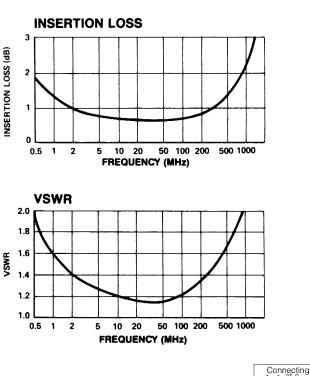
Model No.	Package
TP-102 PIN	Flatpack

FP-1



Dimension in () are in mm. Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25) .xx = ± 0.02 (.x = ± 0.5) WEIGHT (APPROX): 0.07 OUNCES 2 GRAMS

Typical Performance



M/A-COM Division of AMP Incorporated ■ North America: Tel. (800) 366-2266, Fax (800) 618-8883 ■ Asia/Pacific: Tel. +85 2 2111 8088, Fax +85 2 2111 8087 ■ Europe: Tel. +44 (1344) 869 595, Fax +44 (1344) 300 020

www.macom.com

AMP and Connecting at a Higher Level are trademarks. Specifications subject to change without notice.

2-5

V2.00