

Voltage Variable Attenuator 10 - 1000 MHz

AT-101

V2.00

Features

- 2 dB Typical Midband Minimum Attenuation
- 60 dB Typical Midband Attenuation Range
- 1.5:1 Typical Midband VSWR Over Entire Attenuation Range

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

Frequency Range	10 - 1000 MHz	
Minimum Attenuation (+15 V Control)	10 - 1000 MHz	4.5 dB Max.
	10 - 30 MHz	3.2 dB Max.
	30 - 100 MHz	2.7 dB Max.
Maximum Attenuation (0 V Control)	10 - 100 MHz	55 dB Min.
	100 - 500 MHz	40 dB Min.
	10 - 1000 MHz	35 dB Min.
VSWR	10 - 1000 MHz	2.8:1 Max.
	30 - 500 MHz	2.0:1 Max.
Control Bandwidth	0 - 100 KHz	
Third Order IM (0-15 V Control)	70 dB Typ. Below Input Levels for - 10 dBm input signals	
Bias Requirement Control	+15 VDC @ 1 mA Max.	
	0 -15 VDC @ 10 mA Max.	

Operating Characteristics

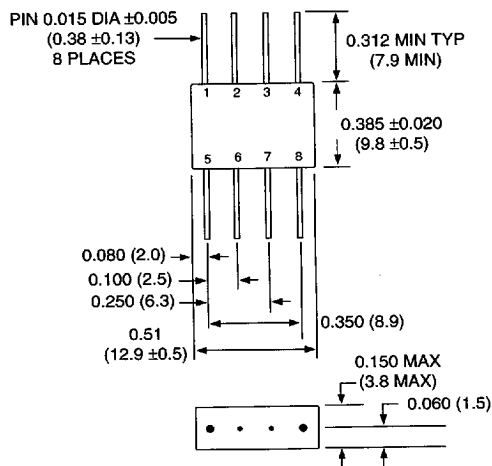
Impedance	50 Ohms Nominal
Maximum Ratings	
RF Input	250 mW @ +25°C Derated Linearly to 115 mW @ +85°C
Environmental	
MIL-STD-883 screening available.	
Pin Configuration	IN; P5, Out; P1, +DC IN BIAS; P3 & P7, Control; P4 & P8, GND; P2 & P6

* All specifications apply with 50 ohm source and load impedance with input power up to the level shown in the Rated Input Power Curve.

Ordering Information

Model No.	Package
AT-101 PIN	Flatpack

FP-2



Dimensions in () are in mm.
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)
.xx = ±0.02 (.x = ±0.5)
WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

Specifications Subject to Change Without Notice.

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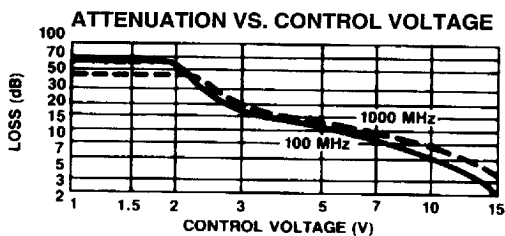
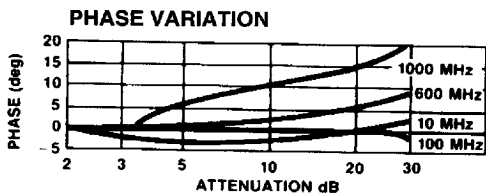
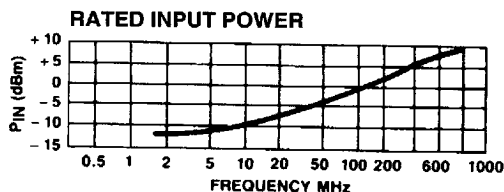
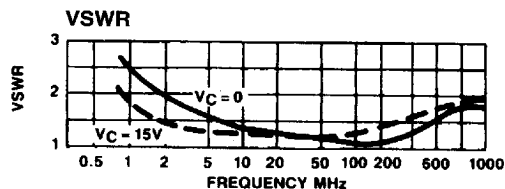
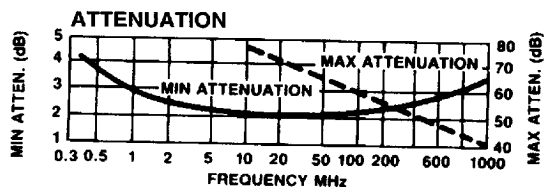
North America: Tel. (800) 366-2266
Fax (800) 618-8883

Asia/Pacific: Tel. +81 (03) 3226-1671
Fax +81 (03) 3226-1451

Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020

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Typical Performance



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