

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	10 - 1000 MHz
Minimum Attenuation (+15 V Control)	10 - 1000 MHz 10 - 30 MHz 30 - 100 MHz	4.5 dB Max. 3.2 dB Max. 2.7 dB Max.
Maximum Attenuation (0 V Control)	10 - 100 MHz 100 - 500 MHz 10 - 1000 MHz	55 dB Min. 40 dB Min. 35 dB Min.
VSWR	10 - 1000 MHz 30 - 500 MHz	2.8:1 Max. 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	+15 VDC @ 1 mA Max.	
Control	0 -15 VDC @ 10 mA Max.	

Operating Characteristics

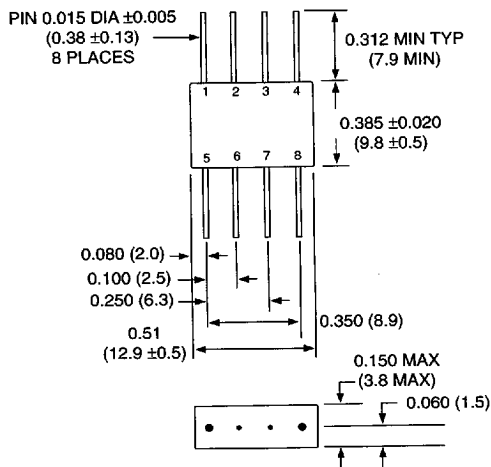
Impedance	50 Ohms Nominal
Maximum Ratings	
RF Input	250 mW @ +25°C Derated Linearly to 115 mW @ +85°C
Environmental	
MIL-STD-883 screening available.	
Pin Configuration	IN; P5, Out; P1, +DC IN BIAS; P3 & P7, Control; P4 & P8, GND; P2 & P6

* 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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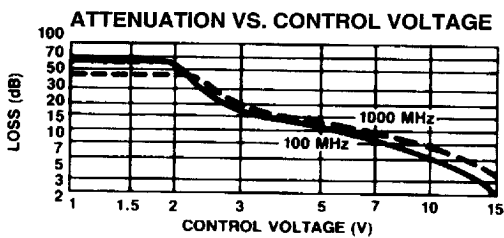
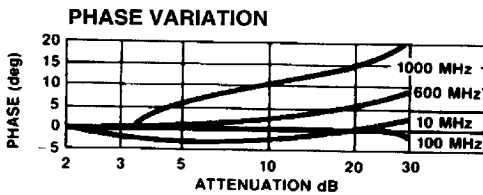
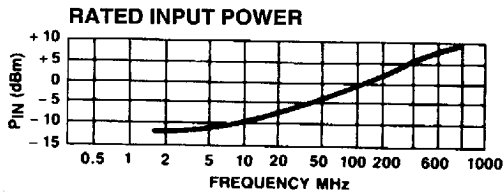
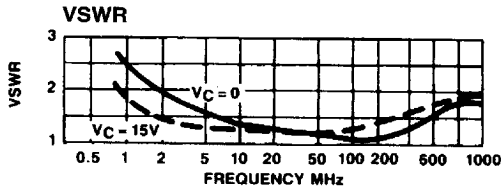
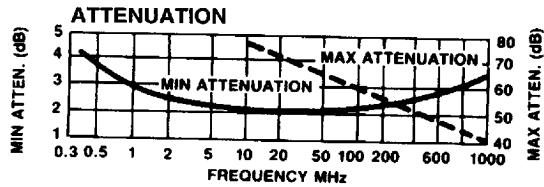
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Typical Performance



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