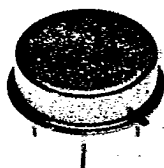


ATN-4002



5 to 1000 MHz Voltage Controlled Cascadable Attenuator

- Low Insertion Loss +2.1dB
- Broadband: 5 to 1000 MHz
- High Attenuation: +35.0dB

Electrical Specifications

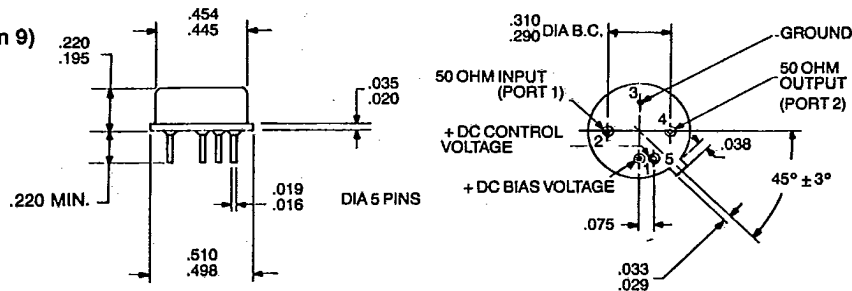
Frequency Range	Typical Characteristic	Guaranteed Min./Max.
		5MHz to 1000 MHz
Maximum Available Attenuation		
5-500 MHz	+35.0dB	+31.0dB
5-1000 MHz	+29.0dB	+25.0dB
Insertion Loss @ 15V (Max)		
5-500 MHz	+2.1dB	+2.5dB
VSWR (Max. over attenuation range)		
5-1000 MHz Max.	1.5:1	1.8:1
5-2000 MHz Max.		
Flatness (Max.) (Min. to 15.0dB) (5-1000MHz)	±0.75	±1.0
Supply Voltage		+15.0V
Supply Current (Max.)		+15.0mA
Control Voltage		+0V to +15.0V
Control Current (Max.)		+7.0mA
Response Time (Max.)	+80useconds	+125useconds

Maximum Ratings

Ambient Operating Temperature	-54° C to + 100° C
Storage Temperature	-62° C to +125° C
Maximum Case Temperature	+125° C
Maximum DC Voltage	+18.0V
Maximum Continuous RF Input Power	+20dBm
Maximum Short Term RF Input Power	+200.0 mW (1 minute Max.)
Maximum Peak Power	+1.0W (3 useconds Max.)
"X" Series Burn-In Temperature	+125° C
Weight	+2.5 grams Max.

Outline Drawings

(For additional package configurations, see Section 9)



Typical Performance

