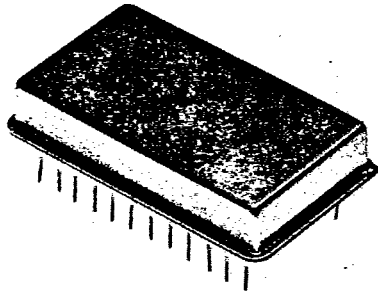


# ATN-1051

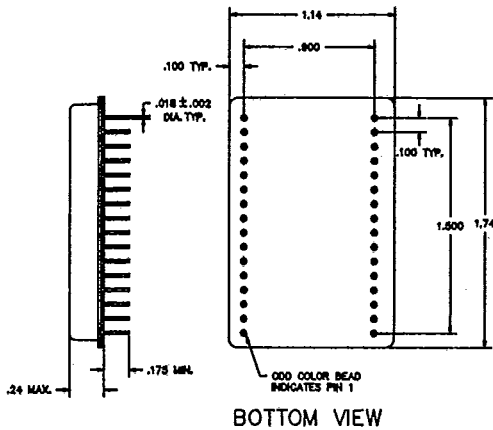
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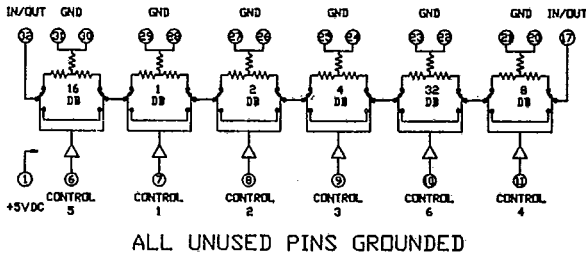
## 100-500 MHz 6-Step Digital Attenuator

- 6 Line TTL Control
- Excellent Stability Over Temperature
- Hermetic Enclosure
- Low Insertion Loss
- High Speed Switching

### Outline Drawing



### Schematic Diagram



### Absolute Maximum Ratings

Ambient Operating Temperature .....-54°C to + 100°C  
 Storage Temperature .....-65°C to + 125°C  
 Maximum DC Voltage..... + 7 Volts

### Electrical Specifications @ 25°C

PARAMETER	TYP.	MIN.	MAX.
Frequency Range, MHz	---	100-500	---
Insertion Loss Steps	3.5dB	---	5.0dB
1.0dB	---	0.8dB	1.2dB
2.0dB	---	1.8dB	2.2dB
4.0dB	---	3.8dB	4.2dB
8.0dB	---	7.8dB	16.3dB
16.0dB	---	15.7dB	16.3dB
32.0dB	---	31.0dB	33.0dB
TOTAL 62.0dB	---	59.8dB	64.2dB
VSWR	1.3:1	---	1.5:1
Switching Speed	0.5usec	---	1.0usec
RF Power-Operational	---	---	+13dBm
RF Power-Non-Destruct	---	---	+27dBm
DC Power +5 Volts	150ma	---	175ma

6 Line TTL, Load Factor 1

SWITCHING CONDITIONS  
 Logic 1-Attenuation in

### Typical Performance

