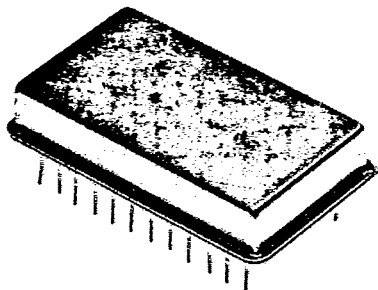


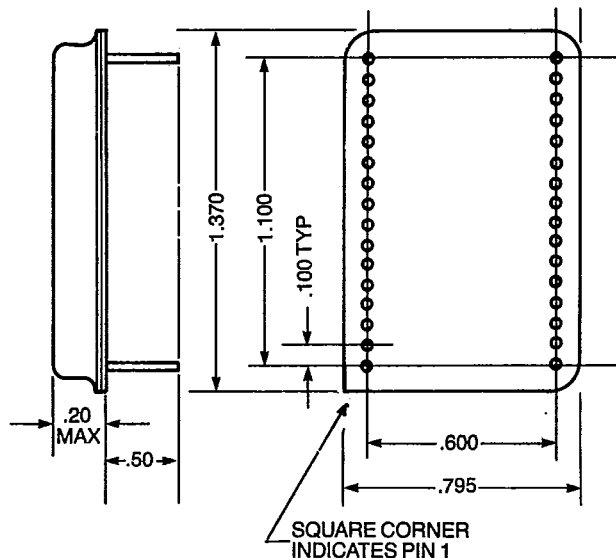
OS-1026



600-1500 MHz 5-Step Digital Attenuator

- Internal 50 Ohm Termination (non-reflective)
- Low Insertion Loss
- TTL Compatible
- Excellent Stability Over Temperature
- Hermetic Enclosure
- 5 Line TTL Control

Outline Drawing



Absolute Maximum Ratings

Ambient Operating Temperature -54°C to +100°C
 Storage Temperature -65°C to +125°C
 Maximum DC Voltage +6V

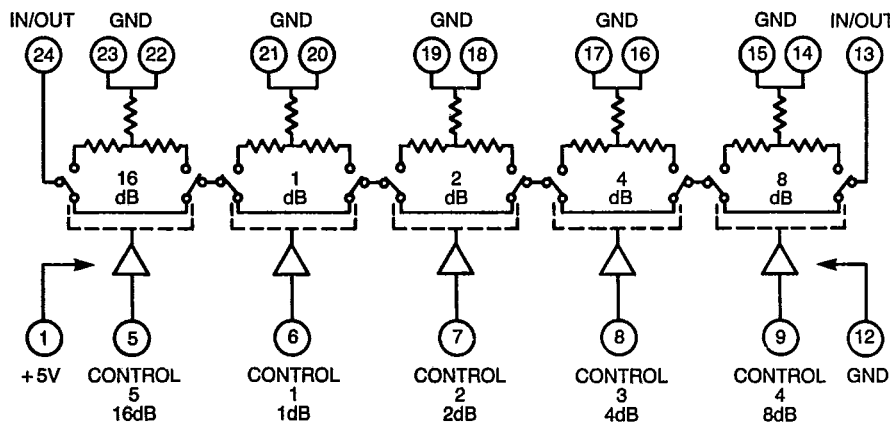
Operating:
 DC Supply: +5V @ 150mA max.

Electrical Specifications @ 25°C

PARAMETER	TYP.	MIN.	MAX.
Frequency (MHz)	—	600-1500	—
Switching Speed	1.5 μ sec	—	2.0 μ sec
Insertion Loss	4.0dB	—	5.0dB
Steps (Tolerance)			
1.0dB	—	-.15dB	+.15dB
2.0dB	—	-.15dB	+.15dB
4.0dB	—	-.15dB	+.15dB
8.0dB	—	-.2dB	+.2dB
16.0dB	—	-.3dB	+.3dB
31dB	—	-1.0dB	+1.0dB

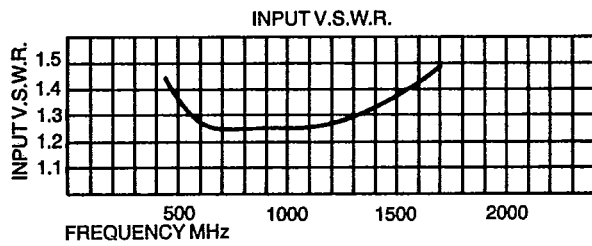
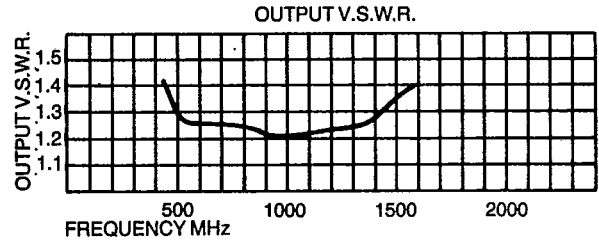
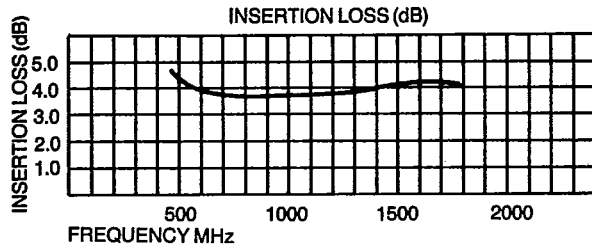
CONTROL TTL Logic "1" — ATTENUATION "IN"

Schematic Diagram

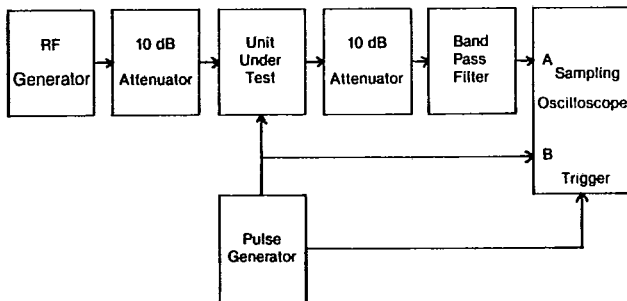


PINS 2, 3, 4, 10, 11 ARE CONNECTED TO CASE GND

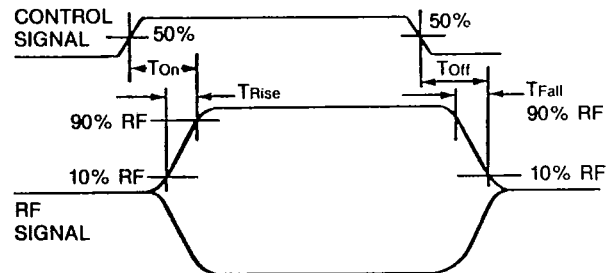
Typical Performance



Test Set-Up



Switching Parameters



- T_{Rise} = Rise Time = Time for RF signal to rise from 10% to 90% of the maximum "on" level.
- T_{Fall} = Fall Time = Time for RF signal to fall from 90% to 10% of the maximum "on" level.
- T_{On} = On Time = Time from 50% of the control pulse to 90% of the maximum "on" level.
- T_{Off} = Off Time = Time from 50% of the control pulse to 10% of the maximum "on" level.