

5 Bit Digital Attenuator

Attenuation Range: 62 dB

Model TAD5008

50 to 250 MHz

Features

- 50 - 250 MHz
- 62 dB Attenuation Range
- Integral TTL Driver
- Operating Temp. -55°C to +85°C
- Screening to the tables of MIL-STD-883 available

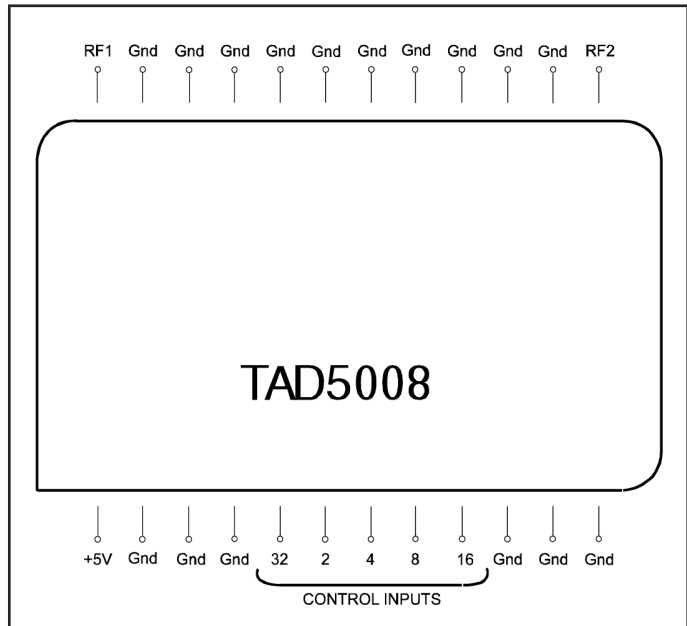
Maximum Ratings

Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -65°C to + 125 °C
 Case Temperature + 125 °C
 DC Voltage + 6.0 Volts
 Continuous RF Input Power +30 dBm

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	50 - 250 MHz	50 - 250 MHz
Insertion Loss (dB)	4.5	5.5 Max.
Attenuation Range (dB)	2 - 62	2 - 62
Steps (dB)	2,4,8,16,32	2,4,8,16,32
Accuracy	±0.2 dB ±1.5%	±0.25 dB Max. ±2.5%
VSWR	1.5:1	1.7:1 Max.
Switching Speed (µsec)	2.5	3 Max.
Switching Transients (V)	0.8	1.0 Max.
DC Bias VDC mA	+5 10	+5 15 Max.

Pin Layout



Truth Table

Control Input 5 Line TTL	Attenuator Setting
1	Attenuate
0	Thru

Packaging Options (see Appendix)

DP-5, 24 Pin DIP Package
 and Connectorized Housings

Typical Performance Data

