5 Bit Digital Attenuator — Model TAD5008

Attenuation Range: 62 dB — 50 to 250 MHz

Features

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

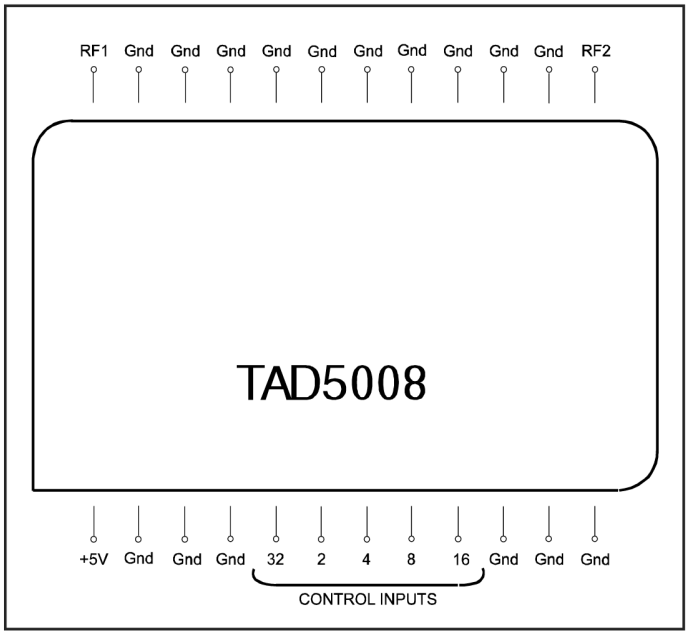
Maximum Ratings

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

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 ºC	MIN/MAX Ta = -55 ºC to +85 ºC
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 ±2.5% Max.
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)

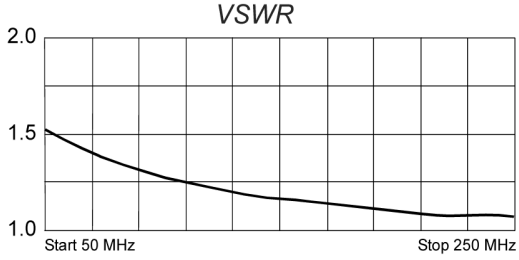
DP-5, 24 Pin DIP Package and Connectorized Housings

Typical Performance Data

Insertion Loss (dB)



VSWR



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