

4 Bit Digital Attenuator

Attenuation Range: 45 dB

Model TAD5007

10 to 150 MHz

Features

- 10 - 150 MHz
- 45 dB Attenuation Range
- Integral TTL Driver
- Operating Temp. -55°C to + 85°C
- Screening to the tables of MIL-STD-883 available

Maximum Ratings

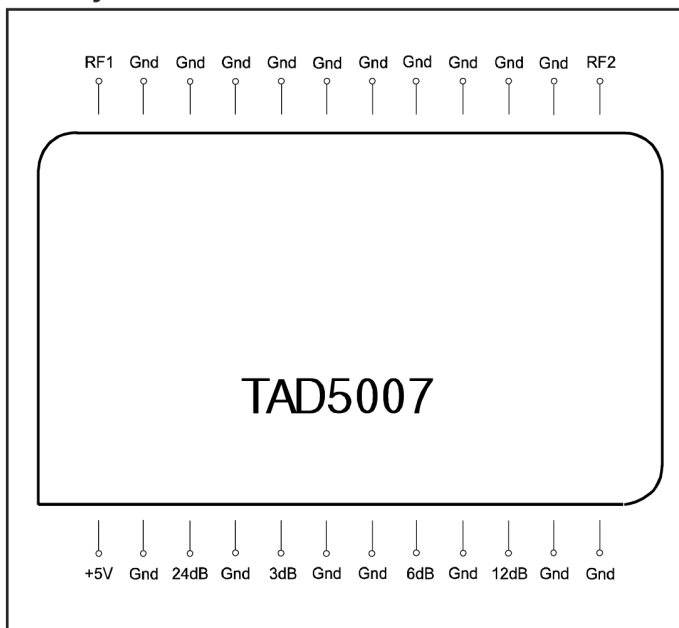
Ambient Operating Temperature -55°C to + 100 °C
 Storage Temperature -65°C to + 125 °C
 Case Temperature + 125 °C
 DC Voltage + 6 Volts
 Continuous RF Input Power +30 dBm

Specifications

CHARACTERISTIC	TYPICAL Ta = 25 °C	MIN/MAX Ta = -55 °C to +85 °C
Frequency	10 - 150 MHz	10 - 150 MHz
Insertion Loss (dB)	2.5	3.3 Max.
Attenuation Range (dB)	3 - 45	3 - 45
Steps (dB)	3,6,12,24	3,6,12,24
Accuracy	±0.2 dB ±0.5%	±0.3 dB Max. ±1%
VSWR	1.4:1	1.65:1 Max.
Switching Speed (µsec)	10	15 Max.
Transients (V)	0.5	1.0 Max.
DC Bias VDC mA	+5 25	+5 30 Max.

Note: Care should always be taken to effectively grounding the case of each unit

Pin Layout



Truth Table

Control Input 4 Line TTL	Attenuator Setting
1	Attenuate
0	Thru

Packaging Options (see Appendix)

DP-5, 24 Pin DIP Package
 and Connectorized Housings

Typical Performance Data

