



Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

Analog, Variable Attenuator

PMI Model No. PVVAN-0R4G6G-40-MP-1



PMI Model Number PVVAN-0R4G6G-40-MP-1 is a non-reflective, linearized, voltage controlled pin diode attenuator. This model operates over the 400MHz to 6.0GHz frequency range and provides up to 40dB of attenuation range from 0 to +10VDC control voltage. Typical insertion loss is 2.8dB with a typical speed of 1usec. Operating power levels are up to +23dBm CW which is the typical input P1dB. This attenuator is supplied in a small housing measuring only 2.0"L x 1.81"W x 0.88"H.

Specifications:

Frequency Range	0.4GHz to 6.0GHz
Attenuation Range	40dB Min.
Insertion Loss	2.8dB Typ., 4.0dB Max.
VSWR	2.0:1 Max.
Operating Input Power	+23dBm CW (Typical P1dB)
Speed	5usec Typ., 10usec Max.
Attenuation Control	0 to +10VDC (Linearized)
DC Control Voltage	+12V @ 70mA Typ. -12V @ 40mA Typ.
RF Connectors	SMA Female
DC Connector	15 Pin D- Male - Mating Connector Supplied
Housing	2.00" x 1.81 x 0.88"

Environmental Ratings:

Temperature:	-50°C to +100 °C Operating
	-65 °C to +125 °C Non-Operating
Humidity:	MIL-STD-202F, Method 103B Cond. B
Shock:	MIL-STD-202F, Method 213B Cond. B
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A



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