DESCRIPTION

PMI MODEL NUMBER PVVAN-2040-60-MP IS AN ANALOG CONTROLLED 60dB PIN DIODE ATTENUATOR OPERATING OVER THE FREQUENCY RANGE OF 2.0 TO 4.0 GHz.

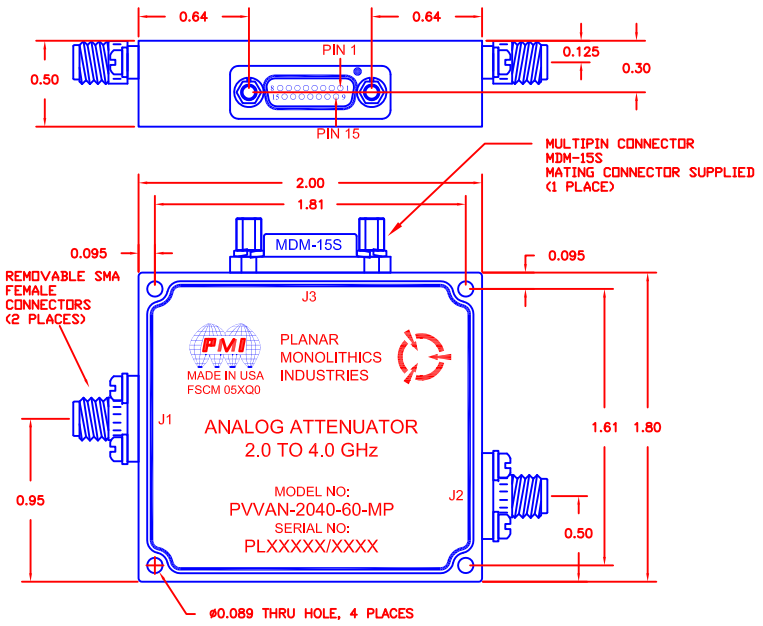
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	08/28/14	

SPECIFICATIONS

- FREQUENCY RANGE: ——— 2.0 GHz TO 4.0 GHz
- MEAN ATTENUATION RANGE: ——— 60dB
- INSERTION LOSS: ——— 2.0dB MAX
- VSWR: ——— 2.0:1 MAX
- POWER RATING: ——— +20dBm (OPERATING)
  +30dBm (SURVIVAL)
- ATTENUATION FLATNESS:
  - @ 10dB: ——— ±0.45dB
  - @ 20dB: ——— ±0.80dB
  - @ 40dB: ——— ±1.50dB
  - @ 60dB: ——— ±1.60dB
- SWITCHING TIME: ——— 500ns MAX
- CONTROL: ——— 10dB/VOLT ANALOG CONTROLLED
- POWER SUPPLY: ——— +12V TO +15V @ 125mA MAX
  −12V TO −15V @ 50mA MAX
- POWER/CONTROL CONNECTOR: ——— 15 PIN MICRO-D FEMALE (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS: ——— SMA (F) REMOVABLE
- SIZE: ——— (L) 2.00" X (W) 1.80" X (H) 0.50"
- FINISH: ——— GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

PIN NO:	J3 PIN FUNCTIONS
1	N/C
2	N/C
3	ANALOG INPUT
4	GND
5	N/C
6	N/C
7	N/C
8	N/C
9	N/C
10	N/C
11	N/C
12	N/C
13	+12 or +15 VDC
14	-12 or -15 VDC
15	N/C

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** ——— −55°C TO + 85°C (OPERATING)
  −65°C TO +125°C (STORAGE)
- **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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN sfk	08/28/14
CHECKED	
ISSUED	

TITLE
PRODUCT FEATURE
PVVAN-2040-60-MP

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27022562	1

SCALE N:S SHEET 1 OF 1