

DESCRIPTION

PMI MODEL NUMBER PVVAN-4080-60-MP IS AN ANALOG CONTROLLED 60dB PIN DIODE ATTENUATOR OPERATING OVER THE FREQUENCY RANGE OF 4.0 TO 8.0 GHz.

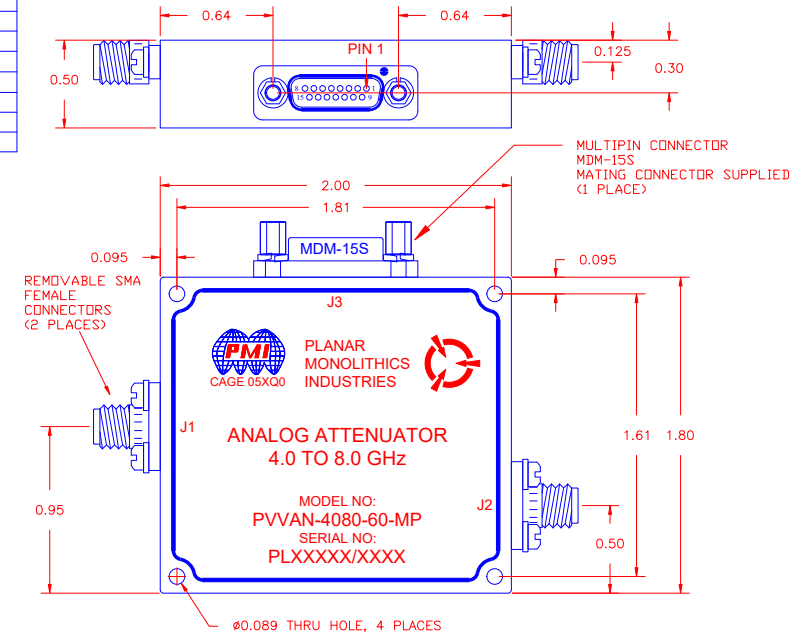
SPECIFICATIONS

- FREQUENCY RANGE: 4.0 GHz TO 8.0 GHz
- MEAN ATTENUATION RANGE: 60dB
- INSERTION LOSS: 2.5dB MAX
- VSWR: 2.0:1 MAX
- POWER RATING: +20dBm (OPERATING)
+30dBm (SURVIVAL)
- ATTENUATION FLATNESS:
 - @ 10dB: ±0.50dB
 - @ 20dB: ±0.87dB
 - @ 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: PAINTED BLUE

| 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 |

| REVISIONS | | | | |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A1 | ORIGINAL RELEASE | 08/25/14 | |
| | A2 | ECN # 18-0194 | 10/11/15 | |
| | A3 | ECN # 22-0067 | 07/13/22 | |

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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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| APPROVALS | | DATE | TITLE | | |
|------------------|--|----------|-------------------------------------|-------------------|---------------------|
| DRAWN <i>s/k</i> | | 08/25/14 | PRODUCT FEATURE PVVAN-4080-60-MP | | |
| CHECKED | | | SIZE A | FSCM NO. 05XQ0 | DWG NO. 27022582 |
| ISSUED | | | SCALE N:S | | SHEET 1 OF 1 |
| | | | | | REV. A3 |