

**DESCRIPTION:**

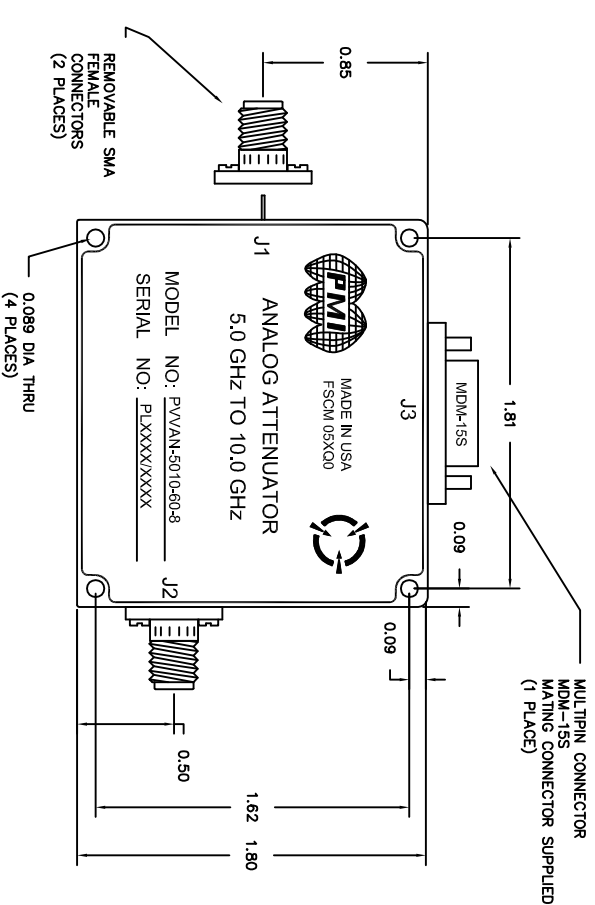
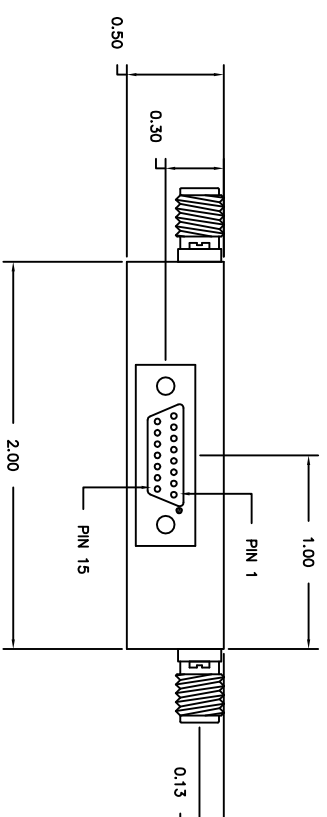
PMI MODEL NUMBER PVVAN-5010-60-MP IS AN ANALOG CONTROLLED 60 DB PIN DIODE ATTENUATOR OPERATING OVER THE FREQUENCY RANGE OF 5.0 GHz TO 10.0 GHz.

| REVISIONS |      |                  |         |          |
|-----------|------|------------------|---------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE    | APPROVED |
|           | A    | ORIGINAL RELEASE | 11/3/11 |          |

**SPECIFICATIONS:**

- FREQUENCY: . . . . . 5.0 GHz TO 10.0 GHz
- MEAN ATTENUATION RANGE . . . . . 60dB
- INSERTION LOSS . . . . . 2.7 dB MAX
- VSWR: . . . . . 2.0:1 MAX
- POWER RATING: . . . . . +20dBm (Operating)  
+30dBm (Survival)
- ATTENUATION FLATNESS:
  - @ 10 dB . . . . . ±0.6 dB
  - @ 20dB . . . . . ±0.9 dB
  - @ 40dB . . . . . ±1.5 dB
  - @ 60dB . . . . . ±1.6 dB
- SWITCHING TIME . . . . . 500 nsec MAX
- CONTROL . . . . . 10dB/Volt Analog Controlled
- POWER SUPPLY . . . . . +12V to +15V @ 125mA MAX  
-12V to -15V @ 50mA MAX
- PWR/CTL CONNECTORS . . . . . 15 PIN Micro-D-Female (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS . . . . . SMA - Female
- FINISH . . . . . PAINTED GRAY
- SIZE . . . . . (L) 2.00" X (W) 1.80" X(H) 0.50"

| 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 +15VDC    |
| 14      | -12 or -15VDC    |
| 15      | N/C              |



CONFIDENTIAL AND PROPRIETARY

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 ISO 9001:2008 CERTIFIED



**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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 X.XX ±0.010  
 X.XXX ±0.005

|               |  |          |  |                  |  |
|---------------|--|----------|--|------------------|--|
| APPROVALS     |  | DATE     |  | TITLE            |  |
| DRAWN         |  | 11/9/11  |  | PRODUCT FEATURE  |  |
| CHECKED       |  |          |  | PVVAN-5010-60-MP |  |
| ISSUED        |  |          |  | SCALE N:S        |  |
| SIZE FSCM NO. |  | DWG NO.  |  | REV.             |  |
| A 05XQ0       |  | 270XXXXX |  | -                |  |
| SCALE N:S     |  |          |  | SHEET 1 OF 1     |  |