

**DESCRIPTION:**

PMI MODEL NUMBER PDVAN-6012-60-8 IS AN 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 6.0 GHZ TO 12.0 GHZ.

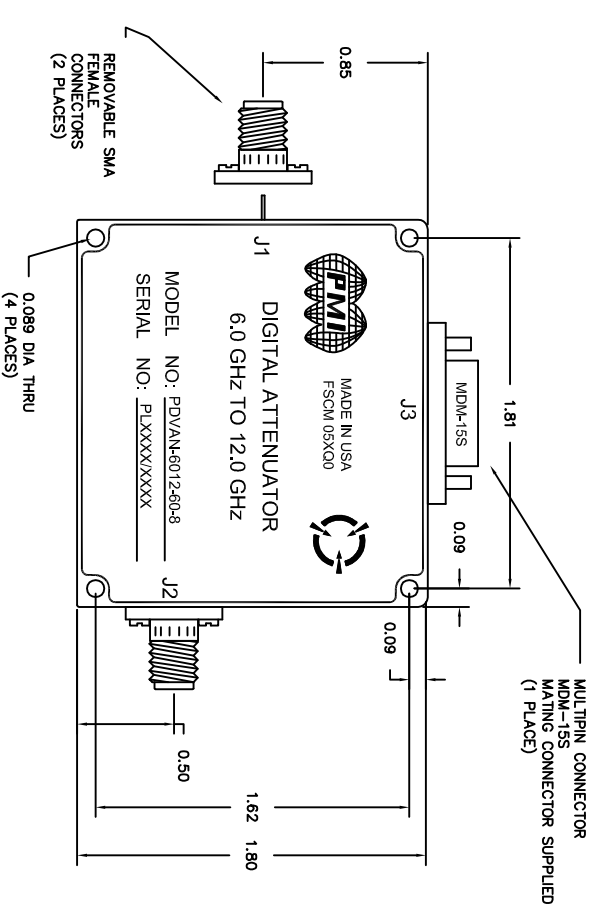
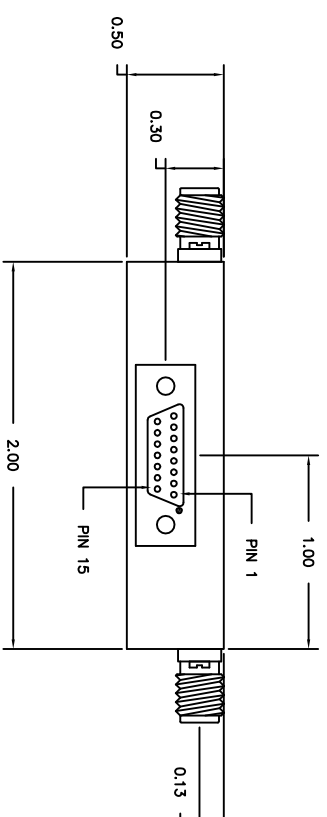
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	4/12/11	

**SPECIFICATIONS:**

- FREQUENCY: . . . . . 6.0 GHZ TO 12.0 GHZ
- MEAN ATTENUATION RANGE . . . . . 60dB
- INSERTION LOSS . . . . . 2.8 DB MAX
- VSWR: . . . . . 2.0:1 MAX
- POWER RATING: . . . . . +20dBm (Operating)  
+30dBm (Survival)
- ATTENUATION FLATNESS:
  - @ 10 dB . . . . . ±0.7 dB
  - @ 20dB . . . . . ±1.0 dB
  - @ 40dB . . . . . ±1.5 dB
  - @ 60dB . . . . . ±1.6 dB
- SWITCHING TIME . . . . . 500 nsec MAX
- DIGITAL CONTROL . . . . . 8 BIT Positive True, Binary TTL
- MONOTONICITY: . . . . . GUARANTEED
- POWER SUPPLY . . . . . +12V to +15V @ 150mA MAX  
-12V to -15V @ 75mA 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 or Latching Strobe Input *
3	N/C
4	GND
5	0.25dB (LSB)
6	0.5dB
7	1.0dB
8	2.0dB
9	4.0dB
10	8.0dB
11	16.0dB
12	32dB (MSB)
13	+VDC
14	-VDC
15	N/C

\* OPTIONAL



CONFIDENTIAL AND PROPRIETARY

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- LOGIC INPUT
- LOGIC "0" (BIT OFF) . . . . . -0.3 to +0.8V
- LOGIC "1" (BIT ON) . . . . . +2.0 to +5.0V

**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		4/12/11		PRODUCT FEATURE	
CHECKED				PDVAN-6012-60-8	
ISSUED				SCALE N:S	
SIZE FSCM NO.		DWG NO.		REV.	
A 05XQ0		27014641		-	
SHEET		1 OF 1			