

DESCRIPTION:

PMI MODEL NUMBER PDVAN-4080-60-8 IS AN 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 4.0 GHz TO 8.0 GHz.

SPECIFICATIONS:

- FREQUENCY: 4.0 GHz TO 8.0 GHz
- MEAN ATTENUATION RANGE 60dB
- INSERTION LOSS 2.5 dB MAX
- VSWR: 2.0:1 MAX
- POWER RATING: +20dBm (Operating)
+30dBm (Survival)
- ATTENUATION FLATNESS:
 - @ 10 dB ±0.50 dB
 - @ 20dB ±0.87 dB
 - @ 40dB ±1.5 dB
 - @ 60dB ±1.6 dB

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|----------------------|---|
| ● 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) |
| ● RF CONNECTORS | SMA - Female |
| ● FINISH | PAINTED GRAY |
| ● SIZE | (L) 2.00" X (W) 1.80" X(H) 0.50" |

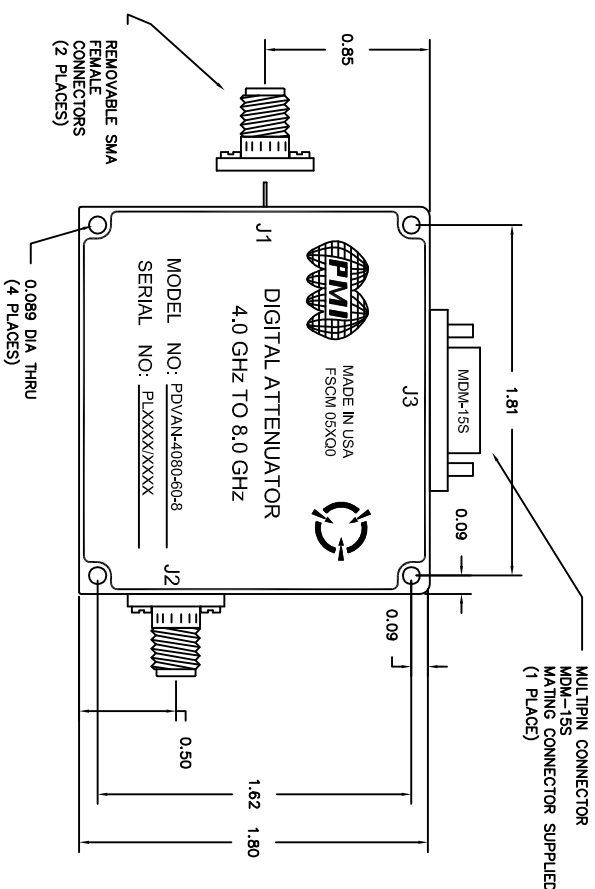
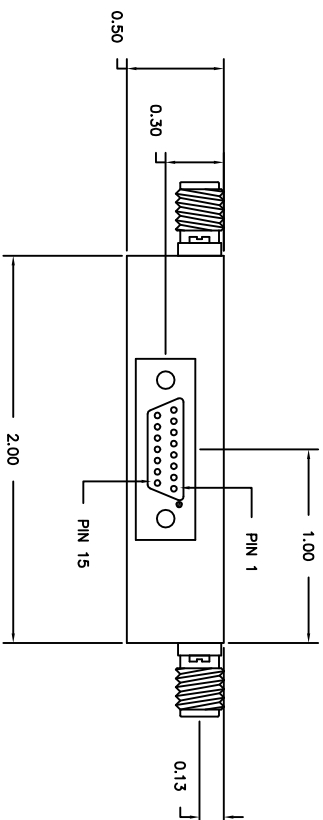
ENVIRONMENTAL RATINGS:

- 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

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

- LOGIC INPUT

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

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

		TITLE			
APPROVALS		DATE			
DRAWN		11/3/11			
CHECKED					
ISSUED					
		PRODUCT FEATURE			
		PDVAN-4080-60-8			
SIZE	FSCM NO.	DWG. NO.		REV.	
A	05XQ0	270XXXX		-	
SCALE	N:S	SHEET		1 OF 1	