DESCRIPTION:

PMI MODEL NUMBER PDVAN-2550-60-8 IS AN 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 2.5 GHz TO 5.0 GHz.

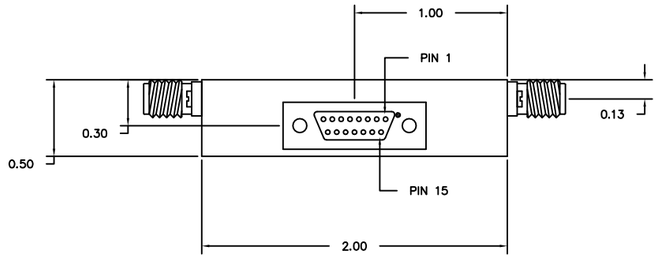
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	11/3/11	

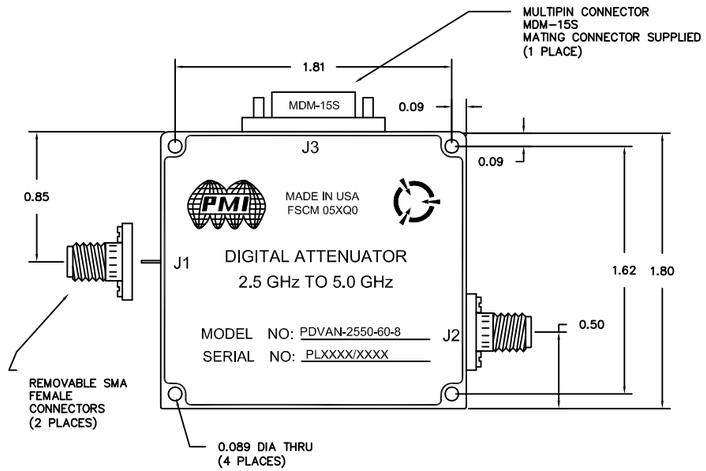
SPECIFICATIONS:

- FREQUENCY: 2.5 GHz TO 5.0 GHz
- MEAN ATTENUATION RANGE 60dB
- INSERTION LOSS 2.1 dB MAX
- VSWR: 2.0:1 MAX
- POWER RATING: +20dBm (Operating)
  +30dBm (Survival)
- ATTENUATION FLATNESS:
  - @ 10 dB ±0.47 dB
  - @ 20dB ±0.87 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





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

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

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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ISO 9001:2008 CERTIFIED

APPROVALS	DATE
DRAWN KM	11/3/11
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
PDVAN-2550-60-8

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	270XXXX	–

SCALE N:S SHEET 1 OF 1