

DESCRIPTION:

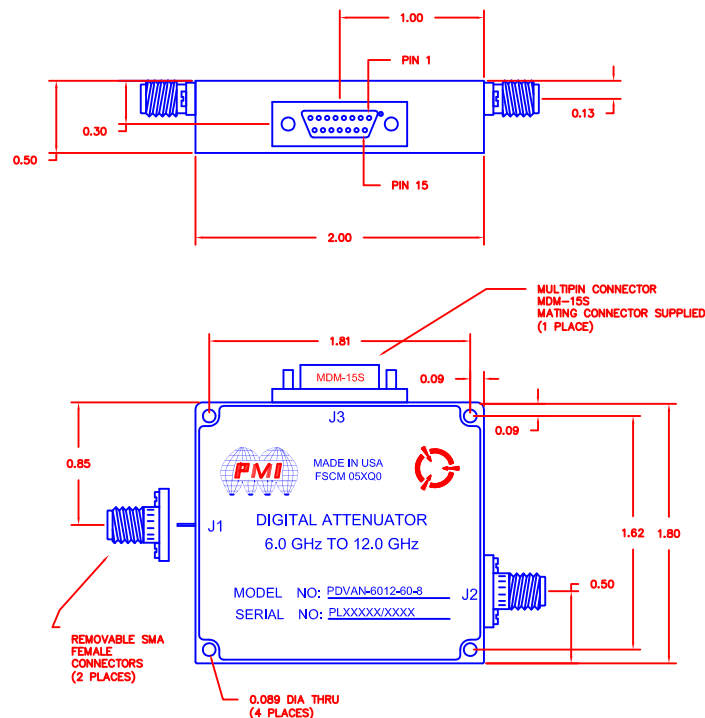
PMI MODEL NUMBER PDVAN-6012-60-8 IS AN 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 6.0 GHz TO 12.0 GHz.

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:
 - @ 10dB ±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: GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- 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



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 107

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/27/15	

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>B. Thomas</i>		7/27/15		PRODUCT FEATURE PDVAN-6012-60-8	
CHECKED				SIZE A	REV. A1
ISSUED				FSCM NO. 05XQ0	OWG NO. 27027821
				SCALE N:S	SHEET 1 OF 1