

DESCRIPTION:

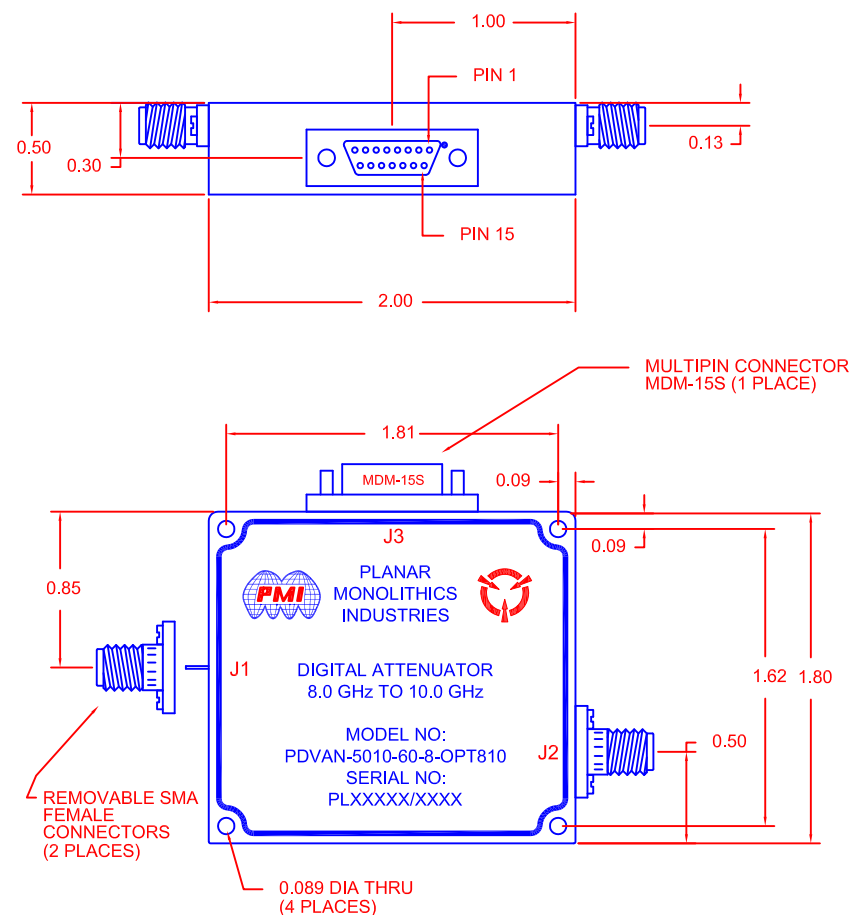
PMI MODEL NUMBER PDVAN-5010-60-8-OPT810 IS AN 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 8.0 GHz TO 10.0 GHz.

SPECIFICATIONS:

- FREQUENCY: 8.0 GHz TO 10.0 GHz
- MEAN ATTENUATION RANGE: 60 dB
- INSERTION LOSS: 2.7 dB MAX
- VSWR: 2.0:1 MAX
- POWER RATING: +20 dBm (OPERATING)
+30 dBm (SURVIVAL)
- ATTENUATION FLATNESS:
 - @ 10dB ±0.60 dB
 - @ 20dB ±0.90 dB
 - @ 40dB ±1.5 dB
 - @ 60dB ±1.6 dB
- SWITCHING TIME: 500 ns MAX
- DIGITAL CONTROL: 8 BIT Positive True, Binary TTL
- MONOTONICITY: GUARANTEED
- POWER SUPPLY: +12 V to +15 V @ 150 mA MAX
-12 V to -15 V @ 75 mA MAX
- PWR/CTL CONNECTORS: 15 PIN Micro-D-Female (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS: SMA - Female
- FINISH: PAINTED BLUE
- SIZE: (L) 2.00" X (W) 1.80" X(H) 0.50"
- LOGIC INPUT
LOGIC "0" (BIT OFF): -0.3 to +0.8 V
LOGIC "1" (BIT ON): +2.0 to +5.0 V

PIN	FUNCTIONS
1	N/C
2	N/C or Latching Strobe Input *
3	N/C
4	GND
5	0.25 dB (LSB)
6	0.5 dB
7	1.0 dB
8	2.0 dB
9	4.0 dB
10	8.0 dB
11	16.0 dB
12	32 dB (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-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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APPROVALS		DATE		TITLE		PRODUCT FEATURE	
DRAWN		M. Berry		6/17/16		PDVAN-5010-60-8-OPT810	
CHECKED						8.0 to 10.0 GHz Digital Attenuator	
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		27030051		1	
SCALE		N:S				SHEET	
						1 OF 1	