

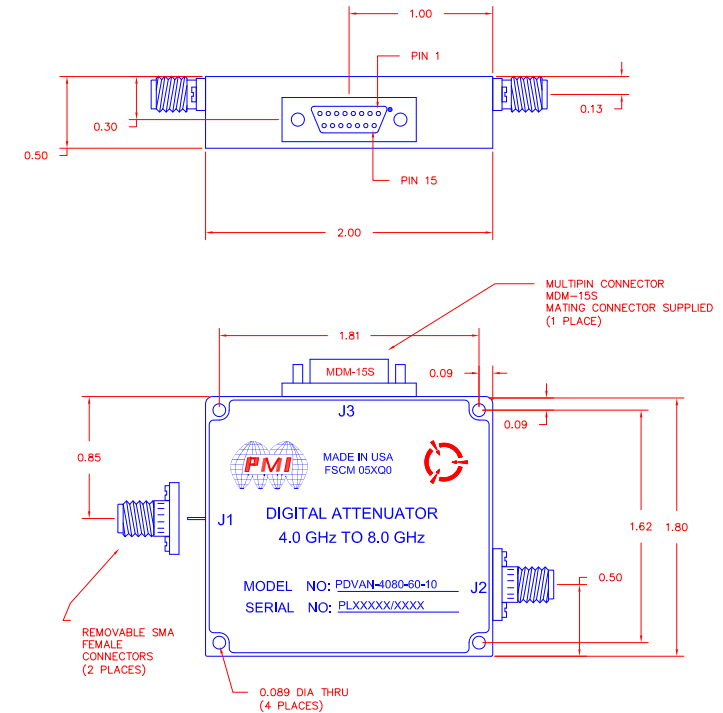
PMI MODEL NUMBER PDVAN-4080-60-10 IS A 10 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.06 DB OVER THE FREQUENCY RANGE OF 4.0 GHz TO 8.0 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	1/13/15	

- **FREQUENCY:** _____ 4.0 GHz TO 8.0 GHz
- **MEAN ATTENUATION RANGE:** _____ 60 dB
- **INSERTION LOSS:** _____ 2.7 dB MAX
- **VSWR:** _____ 2.0:1 MAX
- **POWER RATING:** _____ +20dBm (Operating)
+30dBm (Survival)
- **ATTENUATION FLATNESS:**
 - @ 10dB _____ ±0.60 dB
 - @ 20dB _____ ±0.90 dB
 - @ 40dB _____ ±1.5 dB
 - @ 60dB _____ ±1.6 dB
- **SWITCHING TIME:** _____ 500 nsec MAX
- **DIGITAL CONTROL:** _____ 10 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:** _____ BLUE EPOXY POLYAMIDE COATING
TYPE I OVER EPOXY POLIMIDE
IAW MIL-P-23377, TYPE I, CLASS 2
- **SIZE:** _____ (L) 2.00" X (W) 1.80" X(H) 0.50"

PIN NO:	J3 PIN FUNCTIONS
1	0.06dB (LSB)
2	N/C or Latching Strobe Input *
3	0.125dB
4	GND
5	0.25dB
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**



- 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

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		TITLE			
APPROVALS	DATE	PRODUCT FEATURE			
DRAWN	1/13/15	PDVAN-4080-60-10			
CHECKED		SIZE	FSCM NO.	DWG NO.	REV.
		A	05XQ0	PRELIMINARY	—
ISSUED		SCALE	N:S	SHEET	1 OF 1