

DESCRIPTION:

PMI MODEL NUMBER PDVAN-2040-60-8-ROHS IS AN 8 BIT PROGRAMMABLE 60 DB PIN DIODE ATTENUATOR WITH STEP RESOLUTION AS LOW AS 0.25 DB OVER THE FREQUENCY RANGE OF 2.0 GHz TO 4.0 GHz.

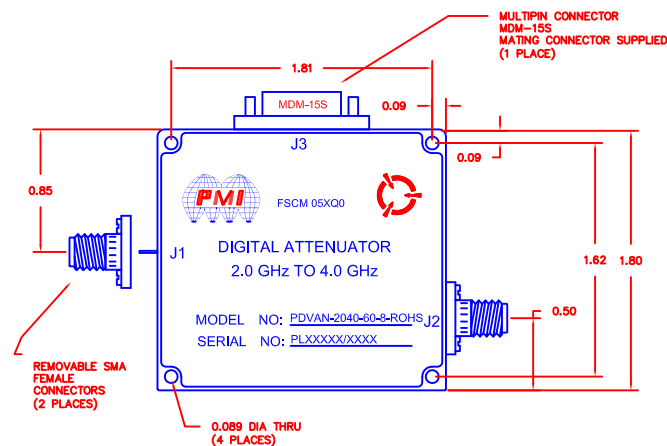
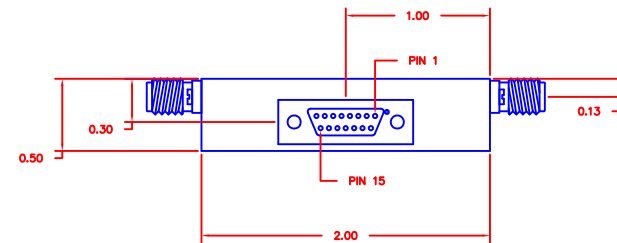
SPECIFICATIONS:

- FREQUENCY: _____ 2.0 GHz TO 4.0 GHz
- MEAN ATTENUATION RANGE: _____ 60dB
- INSERTION LOSS: _____ 2.0 dB MAX
- VSWR: _____ 2.0:1 MAX
- POWER RATING: _____ +20dBm (Operating)
+30dBm (Survival)
- ATTENUATION FLATNESS:
 - @ 10dB _____ ±0.45 dB
 - @ 20dB _____ ±0.8 dB
 - @ 40dB _____ ±1.5 dB
 - @ 60dB _____ ±1.6 dB
- SWITCHING TIME: _____ 1.0 usec 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: _____ BLUE 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/1/22	



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

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APPROVALS		DATE	TITLE			
DRAWN <i>AF</i>		7/1/22	OUTLINE			
CHECKED			PDVAN-2040-60-8-ROHS			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0		-
			SCALE	SHEET		
			N:S	1 OF 1		