

DESCRIPTION:

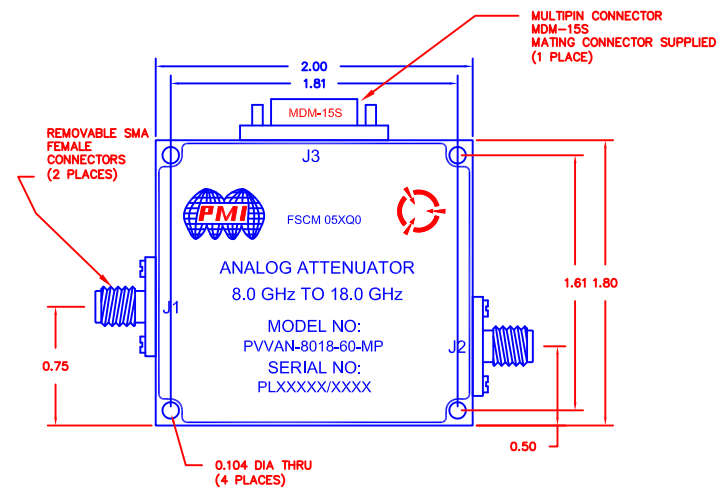
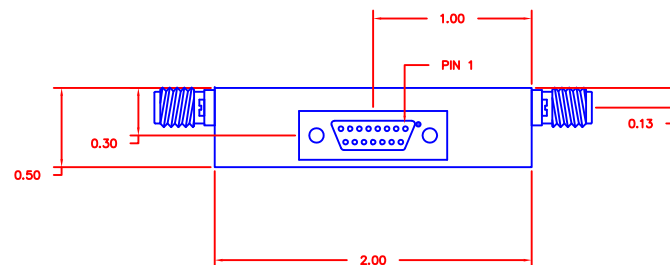
PMI MODEL NUMBER PVVAN-8018-60-MP IS AN ANALOG CONTROLLED 60 dB PIN DIODE ATTENUATOR OPERATING OVER THE FREQUENCY RANGE OF 8.0 GHz TO 18.0 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	05/24/13	
	A1	ECN # 14-0069	05/01/14	
	A2	ECN # 22-0067	07/12/22	

SPECIFICATIONS:

- FREQUENCY: 8.0 GHz TO 18.0 GHz
- MEAN ATTENUATION RANGE: 60dB
- INSERTION LOSS: 3.7 dB MAX
- VSWR: 2.0:1 MAX
- POWER RATING: +20dBm (Operating)
+30dBm (Survival)
- ATTENUATION FLATNESS:
 - @ 10 dB ±0.8 dB
 - @ 20dB ±1.1 dB
 - @ 40dB ±1.5 dB
 - @ 60dB ±1.6 dB
- SWITCHING TIME: 500 nsec MAX
- CONTROL: 10dB/Volt Analog Controlled
- POWER SUPPLY: +12V to +15V @ 125mA MAX
-12V to -15V @ 50mA 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
3	ANALOG INPUT
4	GND
5	N/C
6	N/C
7	N/C
8	N/C
9	N/C
10	N/C
11	N/C
12	N/C
13	+12 or +15 VDC
14	-12 or -15 VDC
15	N/C



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

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		
DRAWN		05/24/13	PRODUCT FEATURE		
CHECKED			PWAN-8018-60-MP		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27019161
			SCALE	N:S	SHEET 1 OF 1
			REV.	A2	