

DESCRIPTION

PMI MODEL NUMBER PVAN-8993-60-SFF IS AN ANALOG CONTROLLED 60dB PIN DIODE ATTENUATOR OPERATING OVER THE FREQUENCY RANGE OF 8.9 TO 9.3 GHz.

SPECIFICATIONS

- FREQUENCY RANGE: 8.9 GHz TO 9.3 GHz
- MEAN ATTENUATION RANGE: 60 dB MIN
- INSERTION LOSS: 2.7 dB MAX
- VSWR: 2.0:1 MAX
- POWER RATING: +20 dBm (OPERATING)
+30 dBm (SURVIVAL)
- ATTENUATION FLATNESS: ±0.75 dB MAX
- ATTENUATION ACCURACY: ±2.0 dB MAX / +0 TO +55 DEGREES C
±1.5 dB MAX / +5 TO +45 DEGREES C
- PHASE SHIFT (PHASE VARIATION): 50 DEGREES MAX
- ATTENUATION BALANCE, UNIT TO UNIT: 1.5 dB MAX
(BETWEEN A SET OF 3 UNITS)
- PHASE BALANCE, UNIT TO UNIT: 10 DEGREES MAX
(BETWEEN A SET OF 3 UNITS)
- TRANSFER FUNCTION: 10 dB/V NOM
- SWITCHING TIME: 500 ns MAX
- SWITCHING TIME BALANCE: 80 ns MAX
(BETWEEN A SET OF 3 UNITS)
- RISE/FALL TIME BALANCE: 350 ns MAX
(BETWEEN A SET OF 3 UNITS)
- ANALOG INPUT RANGE: OPERATING : 0 TO +6 V
SURVIVAL : -1 TO +12 V
- INPUT RESISTANCE: 6 KOHM NOM
- POWER SUPPLY: +15V +/-0.5V @ 120mA MAX
-15V +/-0.5V @ 50mA MAX
- POWER/CONTROL CONNECTOR: 15 PIN MICRO-D FEMALE (MATING CONNECTOR SUPPLIED)
- RF CONNECTORS: SMA (F) REMOVABLE
- SIZE: (L) 2.00" X (W) 1.80" X (H) 0.50"
- FINISH: PAINTED BLUE

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	+15 VDC
14	-15 VDC
15	N/C

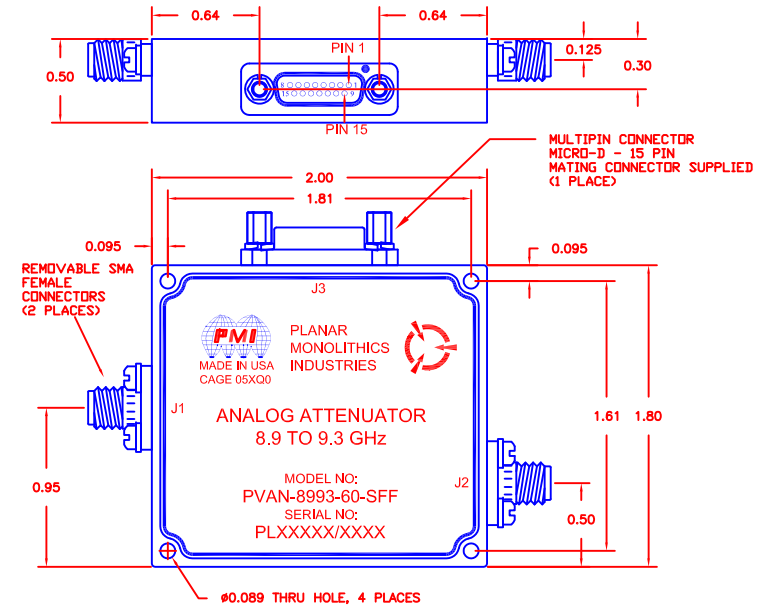
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

ENVIRONMENTAL RATINGS

- TEMPERATURE: -0°C TO + 55°C (OPERATING)
-40°C TO +60°C (STORAGE)
- HUMIDITY: 95% AT +40 DEGREES C

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/9/22	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN	<i>JPH</i>	6/9/22	PRODUCT FEATURE PVAN-8993-60-SFF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1