

DESCRIPTION

PMI MODEL NO. PVVAN-3G3D4G-45-CD-SFF IS A VOLTAGE CONTROLLED ATTENUATOR THAT OPERATES OVER THE FREQUENCY RANGE 3.0 TO 3.4 GHz, WITH 45 dB OF ATTENUATION USING 0 TO 10 V AS CONTROL VOLTAGE.

SPECIFICATIONS

- FREQUENCY RANGE: 3.0 TO 3.4 GHz
- ATTENUATION*1: 0 TO 45 dB \pm 5 dB MAX
- INSERTION LOSS*2: 1.8 dB MAX
- IN/OUT IMPEDANCE: 50 OHMS
- VSWR: 2.0 MAX
- MAX INPUT POWER: 20 mW
- ATTENUATION DEVIATION*3: \pm 1.6 dB MAX (OVER TEMP)
 \pm 1.35 dB MAX (OVER FREQ)
- POWER SUPPLY: VOLTAGE: +15 V, -15 V
CURRENT: 90 mA MAX, 60 mA MAX
TERMINAL: SOLDER PIN
- RESPONSE TIME: 100ns GOAL, 500ns MAX
- ATTENUATION CONTROL VOLTAGE: 0 TO +10 V
- CONTROL CHARACTERISTICS: MONOTONIC VARIATION, 5 dB/V MAX
@ 6 V OR LESS ATTENUATION 25 dB
MIN @ 6 V
- IN/OUT CONNECTORS: SMA FEMALE
- WEIGHT: 150 g MAX

*NOTES

*1 NOT INCLUDING INSERTION LOSS

*2 ATTENUATION 0 dB SETTING

*3 OVER TEMP: ATTENUATION DEVIATION AT THE MAX ATTENUATION SETTING AT ANY CERTAIN FREQUENCY
OVER FREQ: ATTENUATION DEVIATION AT THE MAX ATTENUATION SETTING AT ANY CERTAIN TEMPERATURE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +70 °C (OPERATING)
-40 °C TO +70 °C (STORAGE)
- HUMIDITY: 95% RH MAX @ +70 °C
- VIBRATION: 16 Hz, 3 mm/3G
- HEIGHT: 0 TO 2,134 m (0 TO 7,000 ft)

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

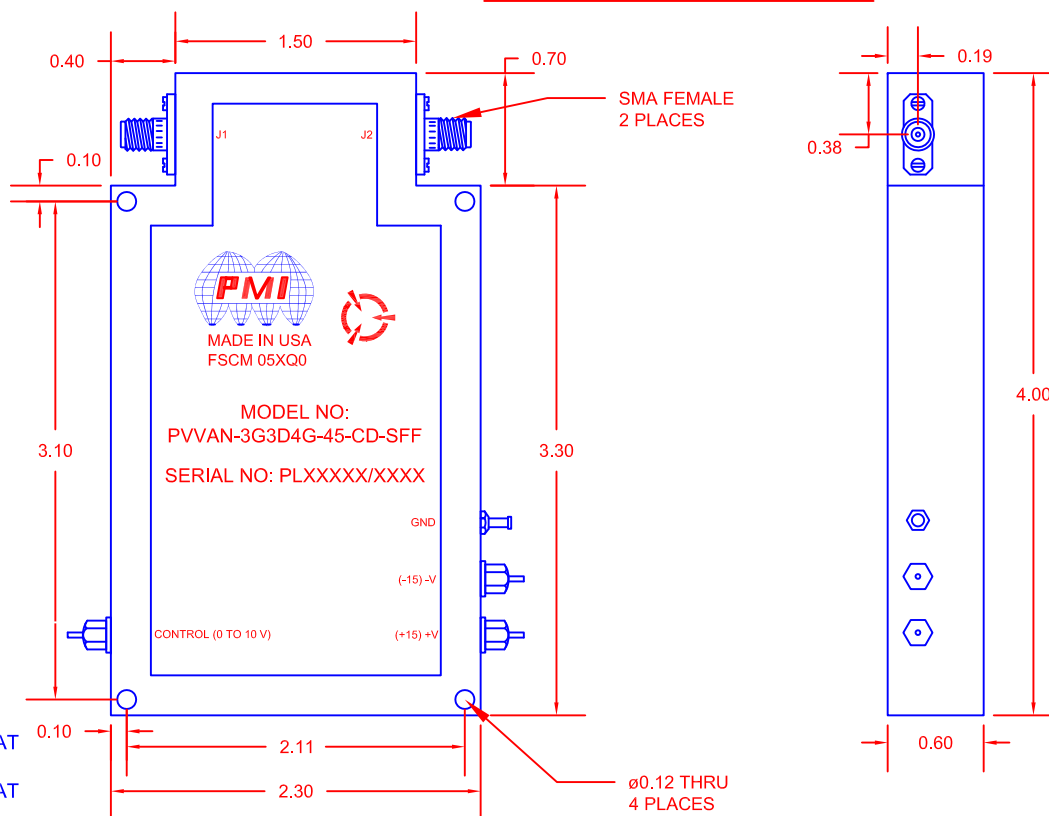
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX \pm 0.020
X.XXX \pm 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/18/2018	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN		EW	PRODUCT FEATURE			
REDRAWN			PVVAN-3G3D4G-45-CD-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1