

DESCRIPTION:

PMI MODEL NUMBER PVAN-500M30G-15-292FF IS A NON-LINEAR 15 dB SOLID STATE VARIABLE ATTENUATOR THAT OPERATES OVER THE FREQUENCY RANGE OF 500 MHz TO 30 GHz.

SPECIFICATIONS:

- FREQUENCY: 500 MHz TO 30 GHz
- MEAN ATTENUATION RANGE: 15.75dB
- INSERTION LOSS: 5.0 dB TYP (UP TO 20GHz)
8.0 dB TYP (UP TO 30GHz)
- VSWR: 2.5:1 TYP
- POWER HANDLING CAPABILITY: +24 dBm CW MAX
- ATTENUATION CONTROL: 0 TO 10VDC (NON-LIEARIZED)
- INPUT 1dB COMPRESSION: +20dBm TYP
- POWER SUPPLY: 15V @ 50mA MAX
- CONNECTORS: (2) 2.92mm(F) & 15 Pin Micro-D Female
Shipped with Micro-D mating connector
- WEIGHT: 3.0 oz (85 gm) Approximate
- FINISH: PAINTED BLUE
- LOGIC INPUT
LOGIC "0" (BIT OFF) 0 to +0.8V
LOGIC "1" (BIT ON) +2.0 to +5.0V

ENVIRONMENTAL RATINGS:

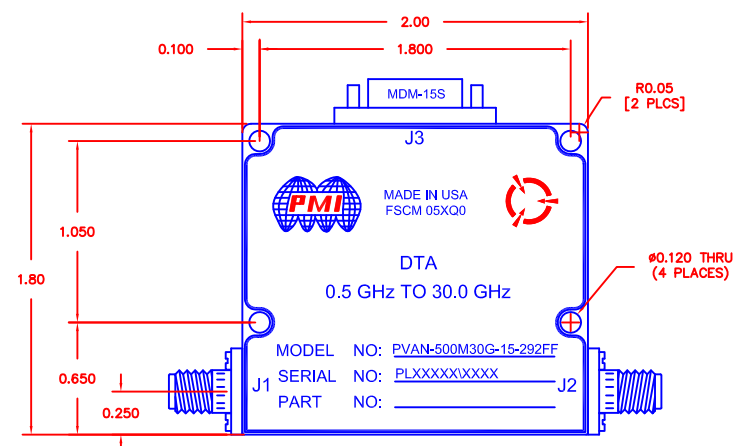
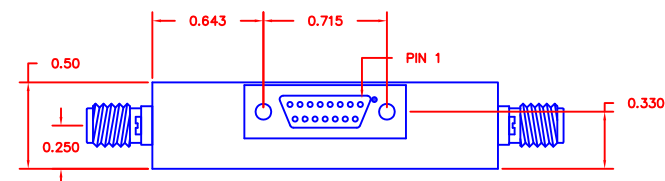
- TEMPERATURE: -50°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PIN NO:	J3 PIN FUNCTIONS
1	N.C.
2	N.C.
3	N.C.
4	ANALOG CONTROL
5	GND
6	N.C.
7	N.C.
8	GND
9	N.C.
10	N.C.
11	+15VDC
12	N.C.
13	N.C.
14	N.C.
15	N.C.

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

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
		PRELIMINARY	08/27/14



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE			
DRAWN		08/27/14		PRODUCT FEATURE			
CHECKED				PVAN-500M30G-15-292FF			
ISSUED				SIZE	FSCM NO.	OWG NO.	REV.
				A	05XQ0	PRELIMINARY	B2
				SCALE	N:S	SHEET	1 OF 1