

DESCRIPTION

PMI MODEL PTB-42-1G40G-12-292FF-DC12-100VAC IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 1.0 TO 40.0 GHz FREQUENCY RANGE. THIS MODEL PROVIDES 40 dB OF TYPICAL GAIN WITH AN OP1dB OF +22 dBm TYPICAL (1 TO 18GHz) AND +18 dBm TYPICAL (18 TO 40GHz). THIS AMPLIFIER FEATURES AN ON / OFF SWITCH THAT IS LOCATED ON THE FRONT PANEL. THIS AMPLIFIER CAN OPERATE ON EITHER 90 to 100 VAC OR VIA AN EXTERNAL 12 VDC BATTERY PACK OR DC VOLTAGE SUPPLY.

SPECIFICATIONS

- FREQUENCY RANGE:..... 1.0 GHz TO 40.0 GHz
- GAIN: 40 dB TYP.
- GAIN FLATNESS:..... ± 2.5 dB TYP.
- NOISE FIGURE:..... 5.0 dB TYP. MID-BAND
- OP1dB:..... +22 dBm TYP. (1 TO 18 GHz)
+18 dBm TYP. (18 TO 40 GHz)
- VSWR IN/OUT: 2.5:1 TYP.
- MAXIMUM RF INPUT: +15 dBm
- AC VOLTAGE SUPPLY:..... 90 to 100 VAC

*SUPPLIED WITH FUSE AND 6 FOOT POWER CORD

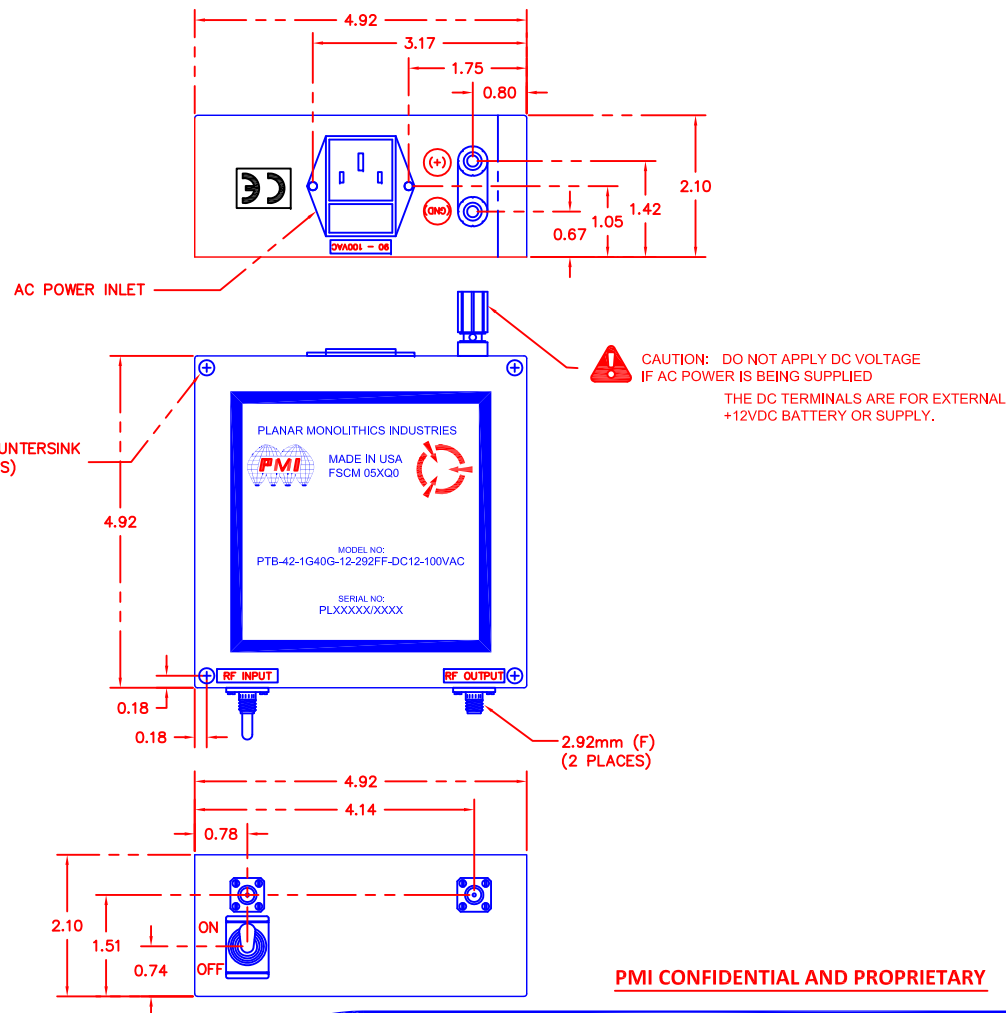
- DC VOLTAGE SUPPLY (EXTERNAL):..... +12 VDC
- CONNECTOR IN/OUT:..... 2.92mm FEMALE
- SIZE:..... 4.92" X 4.92" X 2.1"
- FINISH:..... BLUE POWDER COATED

ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-40°C TO +100°C (NON-OPERATING)
- 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 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	11/13/15	



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APPROVALS		DATE		TITLE	
DRAWN		11/13/15		PRODUCT FEATURE	
REDRAWN				PTB-42-1G40G-12-292FF-DC12-100VAC	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27028042	
SCALE		N: S		SHEET	
				1 OF 1	

NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX ± 0.020
X.XXX ± 0.010