

DESCRIPTION

PMI MODEL PTB-42-1G40G-12-292FF-DC12 IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 1.0 TO 40.0GHz FREQUENCY RANGE. THIS MODEL PROVIDES 40dB OF TYPICAL GAIN WITH AN OP1dB OF +22dBm TYPICAL (1-18GHz) AND +18dBm TYPICAL (18-40GHz). THIS AMPLIFIER FEATURES AN ON / OFF SWITCH THAT IS LOCATED ON THE FRONT PANEL. THIS AMPLIFIER CAN OPERATE ON EITHER 120VAC OR VIA AN EXTERNAL 12VDC BATTERY PACK OR SUPPLY.

SPECIFICATIONS

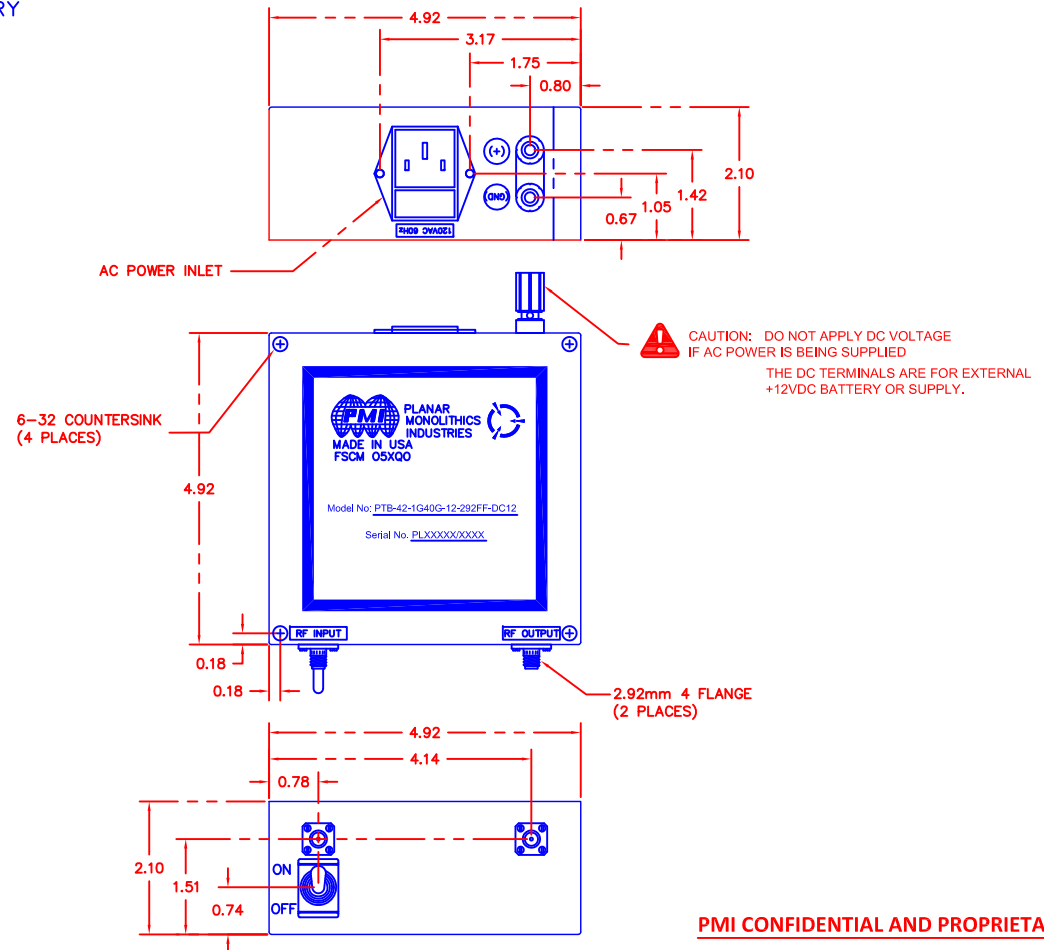
- FREQUENCY RANGE:..... 1.0 GHz TO 40.0 GHz
- GAIN: 40dB TYP.
- GAIN FLATNESS:..... ± 2.5 dB TYP.
- NOISE FIGURE:..... 5.0dB TYP. MID-BAND
- OP1dB:..... +22dBm TYP. (1-18 GHz)
+18dBm TYP. (18-40 GHz)
- VSWR IN/OUT: 2.5:1 TYP.
- MAXIMUM RF INPUT: +15dBm
- AC VOLTAGE SUPPLY:..... 120VAC
- DC VOLTAGE SUPPLY (EXTERNAL):..... +12VDC
- CONNECTOR IN/OUT:..... SMA 4 FLANGE FEMALE
- SIZE:..... 4.92" X 4.92" X 2.1"
- WEIGHT:..... 2.75oz
- FINISH:..... POWER COAT BLUE

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
	A1	ORIGINAL RELEASE	3/28/12	
	A2	ECN # 14-0119	7/24/14	
	A3	ECN # 17-0168	7/17/17	



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APPROVALS		DATE		TITLE			
DRAWN		3/28/10		PRODUCT FEATURE			
REDRAWN				PTB-42-1G40G-12-292FF-DC12			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27016201	A3
				SCALE	N: S	SHEET	1 OF 1

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