

## DESCRIPTION

PMI MODEL PTB-30-2040-5R0-10-220VAC-292FF IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 20.0 TO 40.0 GHz FREQUENCY RANGE. THIS MODEL PROVIDES 30 dB OF TYPICAL GAIN WITH AN OP1dB OF +10 dBm MINIMUM. THIS AMPLIFIER FEATURES AN ON/OFF SWITCH THAT IS LOCATED ON THE FRONT PANEL. THIS UNIT OPERATES ON 220 to 230 VAC AND IS SUPPLIED WITH A 6 FOOT STANDARD EU 2-PRONG STYLE POWER CORD.

## SPECIFICATIONS

- FREQUENCY RANGE: \_\_\_\_\_ 20.0 TO 40.0 GHz
- GAIN: \_\_\_\_\_ +30 dB TYP
- GAIN FLATNESS: \_\_\_\_\_ ±2.0 dB MAX
- NOISE FIGURE: \_\_\_\_\_ 5.0 dB TYP \*
- OP1dB: \_\_\_\_\_ +10 dBm MIN
- VSWR (IN/OUT): \_\_\_\_\_ 2.0:1 MAX
- CONNECTORS (IN/OUT): \_\_\_\_\_ 2.92mm FEMALE
- AC VOLTAGE SUPPLY: \_\_\_\_\_ 220 - 230VAC

\*SUPPLIED WITH FUSE AND 6 FOOT STANDARD EU 2-PRONG STYLE POWER CORD

- SIZE \_\_\_\_\_ (L) 4.92" X (W) 4.92" X (H) 2.26"
- FINISH \_\_\_\_\_ BLUE POWDER COATED

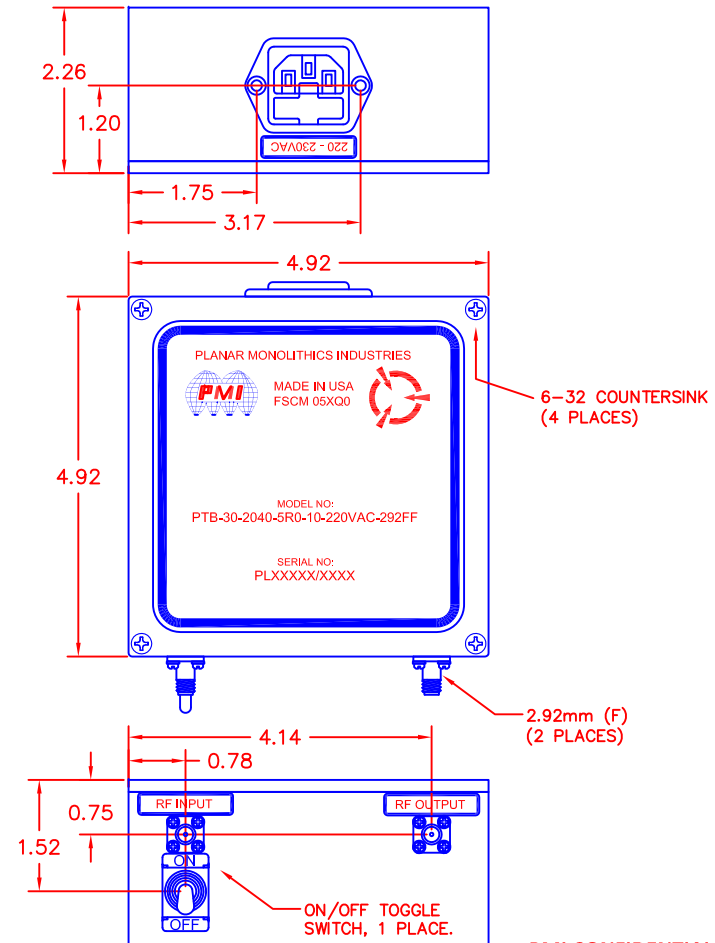
\*NOTE: MEASURED TO 26.5 GHz

## 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
	-	PRELIMINARY	04/13/15	KM



PMI CONFIDENTIAL AND PROPRIETARY

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 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		04/13/15	PRODUCT FEATURE			
REDRAWN			PTB-30-2040-5R0-10-220VAC-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
SCALE N: S				SHEET 1 OF 1		

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