

## DESCRIPTION

PMI MODEL: PTB-60-1R018R0-4R5-22-115VAC-NFF IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 1.0 TO 18.0 GHz FREQUENCY RANGE.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 18.0 GHz
- GAIN: ----- 60 dB TYPICAL
- GAIN FLATNESS: -----  $\pm 1.75$  dB TYPICAL
- NOISE FIGURE: ----- 4.75 dB TYPICAL
- OP1dB: ----- +21 dBm TYPICAL
- VSWR (IN/OUT): ----- 2.0:1 MAXIMUM
- CONNECTORS: ----- N-TYPE FEMALE
- SIZE: ----- [L] 4.92" x [W] 4.92" x [H] 2.10"  
\*EXCLUDING CONNECTORS\*
- FINISH: ----- BLUE EPOXY POLIMIDE COATING IAW  
MIL-C-22750, TYPE I OVER EPOXY POLIMIDE  
PRIMER IAW MIL-P-23377,  
TYPE I, CLASS 1 OR 3.

## SPECIFICATIONS

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -20 °C TO +70 °C (OPERATING)  
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

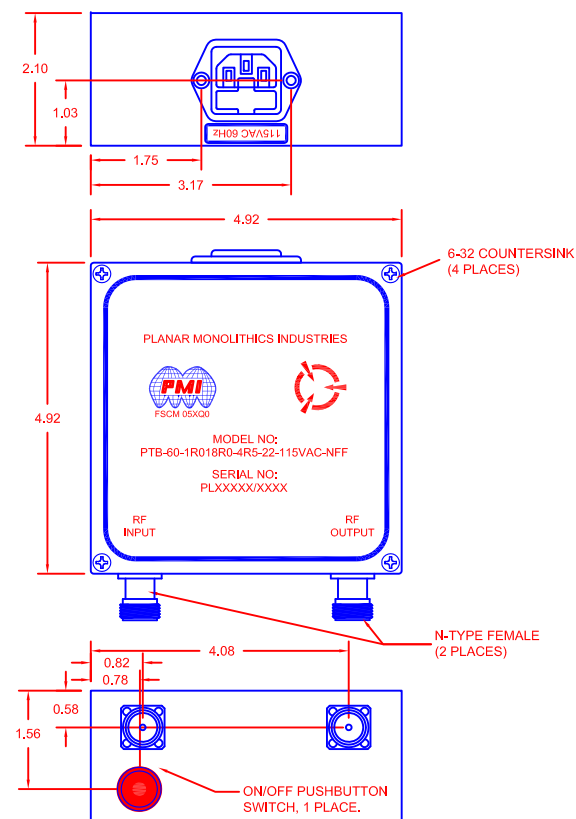
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS  
ARE IN INCHES (mm)  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	10/28/15	
	B1	ECN # 22-0107	09/09/22	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE PTB-60-1R018R0-4R5-22-115VAC-NFF				
APPROVALS	DATE					
DRAWN <i>M. Berry</i>	<i>10/28/15</i>					
REDRAWN <i>CW</i>	<i>7/6/20</i>					
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27011940	REV B	
		SCALE N:S		SHEET 1 OF 1		