

DESCRIPTION

PMI MODEL: PTB-30-0R58R0-4R5-13-115VAC-NFF IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 0.5 TO 8.0 GHz FREQUENCY RANGE. THIS MODEL PROVIDES TYPICAL GAIN OF 30 dB WITH AN OP1dB OF +13 dBm MINIMUM. THIS AMPLIFIER FEATURES N-TYPE FEMALE CONNECTORS AND AN ON/OFF SWITCH LOCATED ON THE FRONT PANEL.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.5 TO 8.0 GHz
- GAIN: ----- 30 dB TYPICAL
- GAIN FLATNESS: ----- ±1.0 dB MAXIMUM
- NOISE FIGURE: ----- 4.5 dB TYPICAL
- OP1dB: ----- +13 dBm MINIMUM
- VSWR (IN/OUT): ----- 2.0:1 MAXIMUM
- CONNECTORS: ----- N-TYPE FEMALE
- AC VOLTAGE SUPPLY: ----- 115 VAC, 60 Hz
- SUPPLIED WITH FUSE AND 6' POWER CABLE
- 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

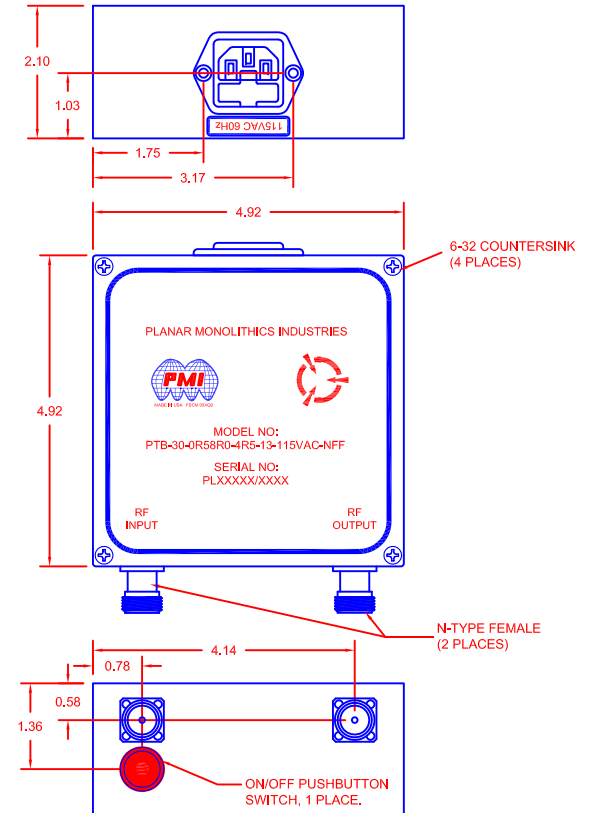
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/28/15	JP

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>M. Berry</i>		10/28/15	PRODUCT FEATURE PTB-30-0R58R0-4R5-13-115VAC-NFF			-
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		