

DESCRIPTION

PMI MODEL: PTB-30-1R06R0-1R5-22-100VAC-SFF IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 1.0 TO 6.0 GHz FREQUENCY RANGE. THIS MODEL PROVIDES TYPICAL GAIN OF 30 dB WITH AN OP1dB OF +22 dBm TYPICAL. THIS AMPLIFIER FEATURES SMA FEMALE CONNECTORS AND AN ON/OFF SWITCH LOCATED ON THE FRONT PANEL.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 6.0 GHz
- GAIN: ----- 30 dB TYPICAL
- GAIN FLATNESS: ----- ± 1.5 dB MAXIMUM
- NOISE FIGURE: ----- 1.8 dB TYPICAL, 2.2 dB MAXIMUM
- OP1dB: ----- +22 dBm TYPICAL, +21 dBm MINIMUM
- VSWR (IN/OUT): ----- 2.0:1 MAXIMUM
- CONNECTORS: ----- SMA FEMALE
- AC VOLTAGE SUPPLY: ----- 100 VAC, 50 Hz
- 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

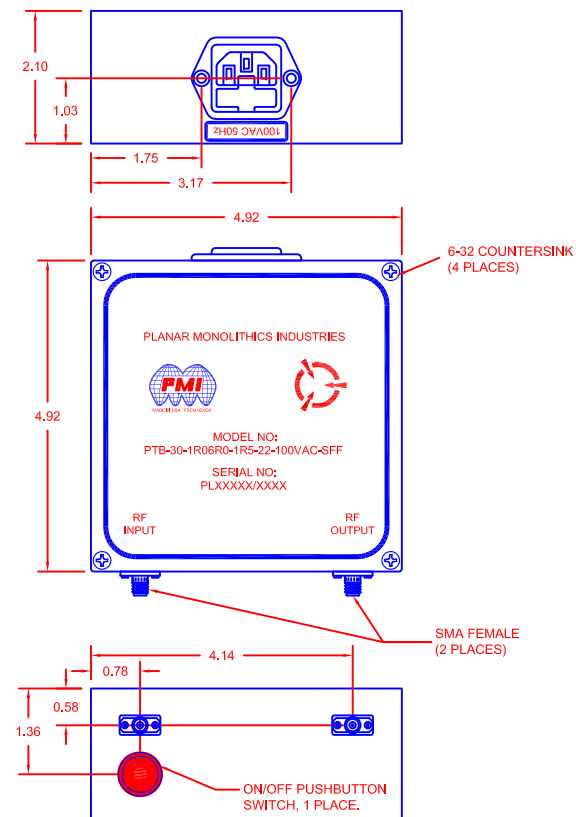
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



TITLES				
APPROVALS	DATE	PRODUCT FEATURE		
DRAWN	11/17/16	PTB-30-1R06R0-1R5-22-100VAC-SFF		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	05XQ0	PRELIMINARY
		SCALE	N:S	SHEET 1 OF 1