

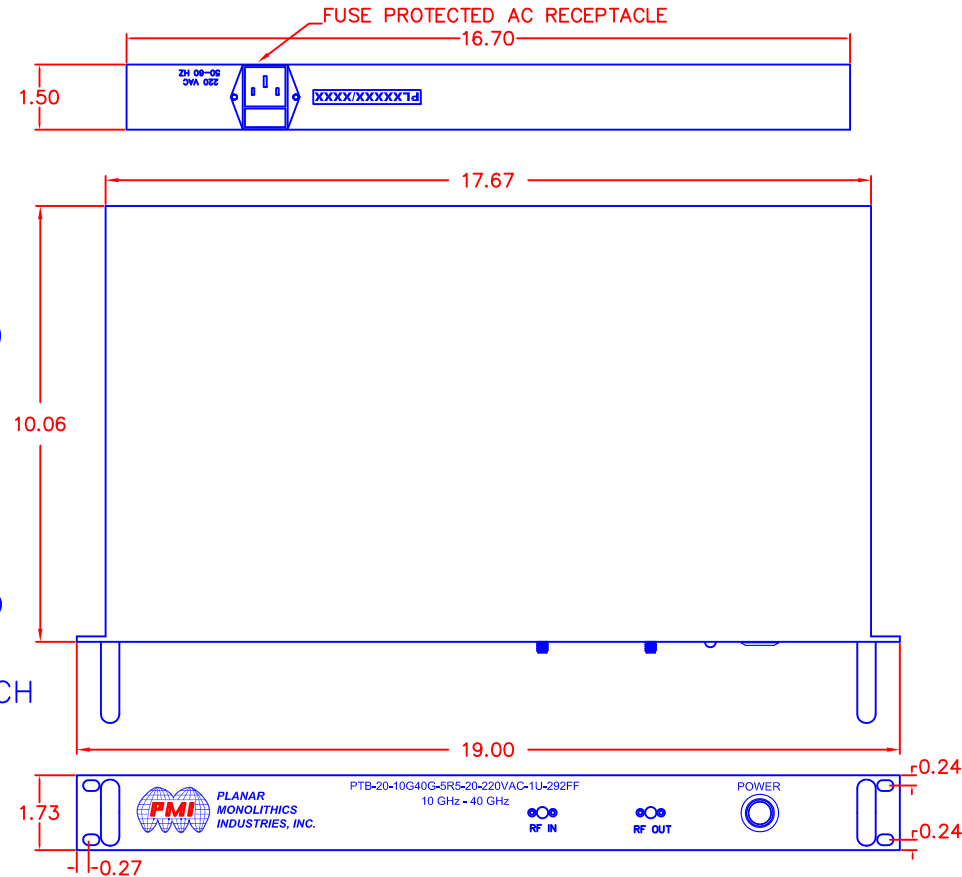
# DESCRIPTION

PMI MODEL NUMBER PTB-20-10G40G-5R5-20-220VAC-1U-292FF IS A LOW NOISE AMPLIFIER IN A 19 INCH RACK MOUNT CHASSIS. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/9/15	JM

# SPECIFICATIONS

- FREQUENCY RANGE:..... 10.0 TO 40.0 GHz
  - GAIN:..... 20 dB MIN
  - GAIN FLATNESS:..... ±3.5 dB MAX
  - NOISE FIGURE:..... 5.5 dB MAX(\*)
  - OP1dB:..... +20 dBm TYP (10 TO 18 GHz)  
+19 dBm TYP (18 to 40 GHz)
  - VSWR (INPUT)..... 2.0:1 MAX
  - VSWR (OUTPUT)..... 2.5:1 MAX
  - AC POWER:..... 220 VAC, 50 Hz  
EUROPEAN STANDARD PLUG  
6 FOOT POWER CORD SUPPLIED  
FUSE PROTECTION INCLUDED  
RED ILLUMINATED ON/OFF SWITCH
  - FINISH..... BLUE POWDER COAT
  - CHASSIS:..... 1U HEIGHT, 10" DEPTH  
TO FIT IN 19" RACK
  - CONNECTORS:..... 2.92 mm(F)
- (\*) UP TO 20 GHz



# ENVIRONMENTAL RATINGS

- TEMPERATURE:..... -55 °C TO +85 °C (OPERATING)  
-55 °C TO +100 °C (STORAGE)
- 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

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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN	<i>gy</i>	11/9/15	PRODUCT FEATURE			
CHECKED	<i>afk</i>	11/9/15	PTB-20-10G40G-5R5-20-220VAC-1U-292FF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	71A34	PRELIMINARY	-
			SCALE	N:S		SHEET 1 OF 1