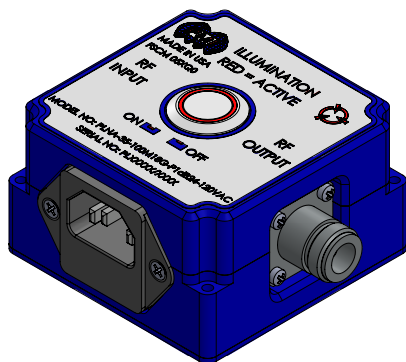


DESCRIPTION

PMI MODEL PLNA-35-100M18G-P1dB24-120VAC IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 100MHz TO 18.0GHz FREQUENCY RANGE. THIS MODEL PROVIDES A TYPICAL GAIN OF 35dB TYPICAL AND A MAXIMUM OF 40dB WITH AN OUTPUT P1dB OF +24dBm. THIS AMPLIFIER FEATURES AN ILLUMINATED PUSH BUTTON ON/OFF SWITCH IN A SMALL PACKAGE.

SPECIFICATIONS

- FREQUENCY RANGE: 100 MHz TO 18.0 GHz
- GAIN: 35dB TYP., 40dB MAX
- GAIN FLATNESS: ± 2.0 dB MAX.
- NOISE FIGURE: 3dB MAX.
- OP1dB: +27dBm TYP., +24dBm MIN.
- VSWR IN/OUT: 2.0:1 TYP.
- MAXIMUM RF INPUT: +10dBm CW
- AC VOLTAGE SUPPLY: 110 VAC
- AC CONNECTOR: 3 PIN IEC
- ON/OFF SWITCH: VANDEL SWITCH ILLUMINATED
- RF CONNECTOR IN/OUT: N-TYPE
- SIZE: (L) 3.00" X (W) 3.00" X (H) 1.75"
- 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.



ENVIRONMENTAL RATINGS

- TEMPERATURE: -20°C TO + 55°C (OPERATING)

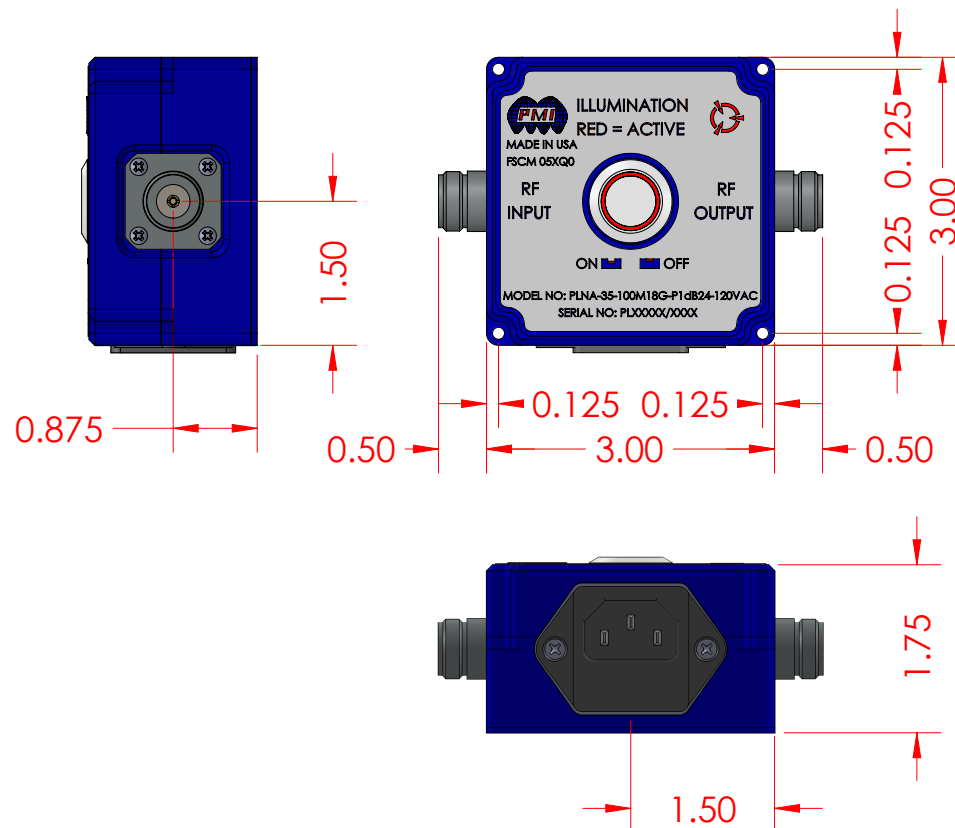
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES

TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/25/2016	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		3/25/2016		PRODUCT FEATURE	
CHECKED				PLNA-35-100M18G-P1dB24-120VAC	
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET 1 OF 1	
				REV. -	