

DESCRIPTION

PMI MODEL PLNA-30-10M6G-5VDC IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 10MHz TO 6.0GHz FREQUENCY RANGE. THIS MODEL PROVIDES A TYPICAL GAIN OF 30dB WITH AN OUTPUT P1dB OF +22dBm. THIS AMPLIFIER FEATURES AN ILLUMINATED PUSH BUTTON ON/OFF SWITCH IN A SMALL PACKAGE. THIS MODEL IS ALSO SUPPLIED WITH A WALL MOUNT 120VAC TO 5VDC ADAPTOR.

SPECIFICATIONS

- FREQUENCY RANGE:.....10 MHz TO 6.0 GHz
- GAIN:30dB TYP.
- GAIN FLATNESS:..... ± 2.0 dB MAX,
- NOISE FIGURE:.....4.5dB TYP., 5.25dB MAX.
- OP1dB:.....+22dBm MIN.
- VSWR IN/OUT:.....2.0:1 TYP.
- MAXIMUM RF INPUT:.....+10dBm CW
- DC CONNECTOR.....2.5mm ID, 5.5mm OD
- DC VOLTAGE SUPPLY:.....5VDC, 1000mA
POSITIVE CENTER
- OVER VOLTAGE PROTECTION:.....7.5VDC MAX
- REVERSE VOLTAGE PROTECTION:.....-20VDC MAX
- ON/OFF SWITCH:.....LIT PUSH BUTTON
BACKLIT RED (INDICATES DC POWER IS ON)
BACKLIT BLUE (INDICATES AMPLIFIER IS ON)
- CONNECTOR IN/OUT:.....SMA 4 FLANGE FEMALE
- SIZE:.....2.0" X 1.5" X 0.75"
- FINISH:.....PAINTED BLUE
- 120VAC TO 5VDC WALL ADAPTER SUPPLIED WITH UNIT
PART NUMBER: (CUI INC) EPS050100-P6P OR EQUIVALENT

OPTIONS

- USB POWER SUPPLY
- USB POWER AND INTERFACE

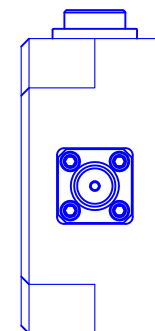
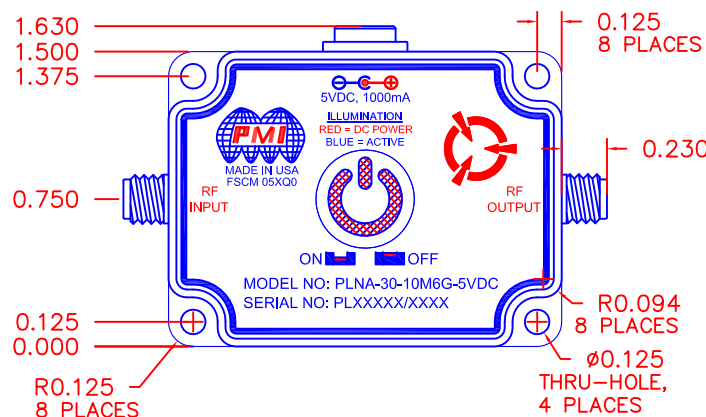
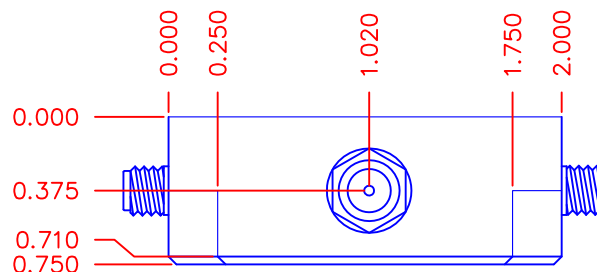
ENVIRONMENTAL RATINGS (PMI UNIT)

- TEMPERATURE:.....-15°C TO +55°C (OPERATING)

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	12/22/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>MEB & PGK</i>		12/22/14		PRODUCT FEATURE PLNA-30-10M6G-5VDC	
REDRAWN				SIZE FSCM NO. DWG NO. REV.	
ISSUED				A 05XQ0 Preliminary —	
				SCALE N: S SHEET 1 OF 1	

NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: X.XX ± 0.020
X.XXX ± 0.010