DESCRIPTION

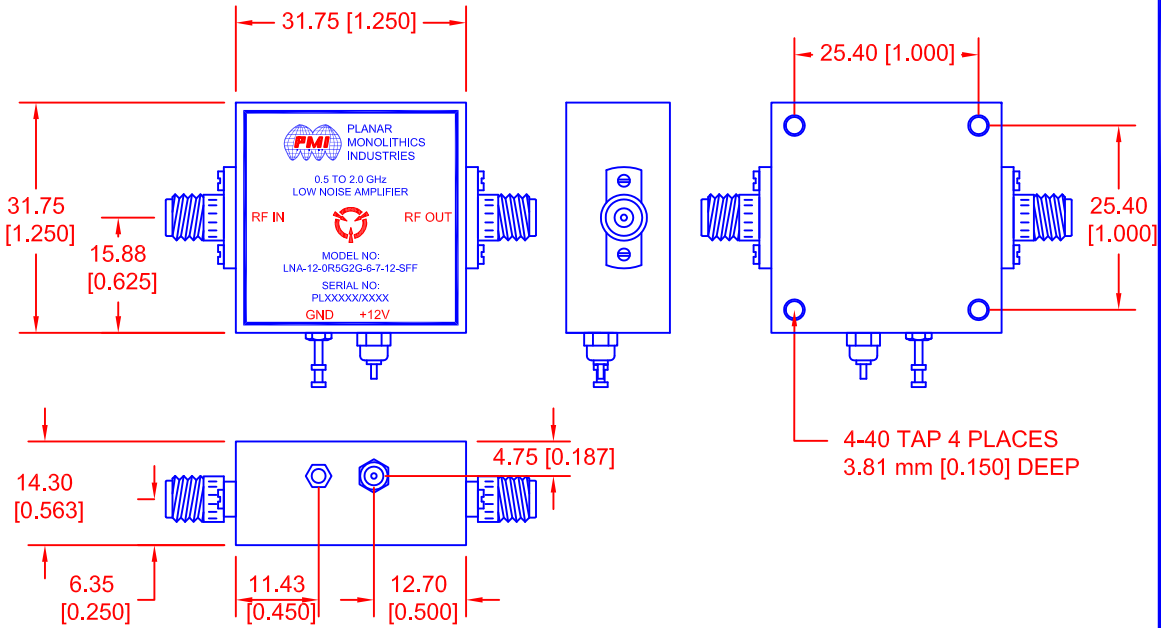
PMI MODEL: LNA-12-0R5G2G-6-7-12-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 0.5 TO 2.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS A TYPICAL GAIN OF 12 ± 3 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 6 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/6/18	

SPECIFICATIONS

- FREQUENCY RANGE: ---------- 0.5 TO 2.0 GHz
- GAIN: ---------- 12 ± 3 dB
- NOISE FIGURE: ---------- 6 dB MAXIMUM
- P1dB: ---------- +7 dBm MINIMUM
- IP3: ---------- +15 dB MINIMUM
- INPUT POWER HANDLING: ---------- +23 dBm MINIMUM
- VSWR IN/OUT: ---------- 1.2:1
- DC SUPPLY: ---------- +12 TO +15 VDC @ 400 mA MAXIMUM
- CONNECTORS: ---------- SMA FEMALE
- SIZE: ---------- 31.75 mm x 31.75 mm x 14.30 mm
  1.25" x 1.25" x 0.563"
- FINISH: ---------- BLUE PAINT

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: ---------- -40 °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 mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN SPU	09/09/17
REDRAWN CW	11/6/18
ISSUED	

TITLE
PRODUCT FEATURE
LNA-12-0R5G2G-6-7-12-SFF
0.5 to 2.0 GHz Low Noise Amplifier

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	-

SCALE N:S SHEET 1 OF 1