

## DESCRIPTION

PMI MODEL: LNA-20-0R4G0R5G-0R6-18-5-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 0.4 TO 0.5 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 20 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 0.6 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.4 TO 0.5 GHz
- GAIN: ----- 20 dB MINIMUM
- NOISE FIGURE: ----- 0.6 dB MAXIMUM
- OP1dB: ----- 18 dBm MINIMUM
- INPUT VSWR: ----- 2.0:1 MAXIMUM
- OUTPUT VSWR: ----- 1.5:1 MAXIMUM
- CONNECTORS: ----- SMA (F)
- DC POWER SUPPLY: ----- +5 VDC
- SUPPLY CURRENT: ----- 120 mA MAXIMUM
- SIZE: ----- 1.250" x 1.250" x 0.563"

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °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

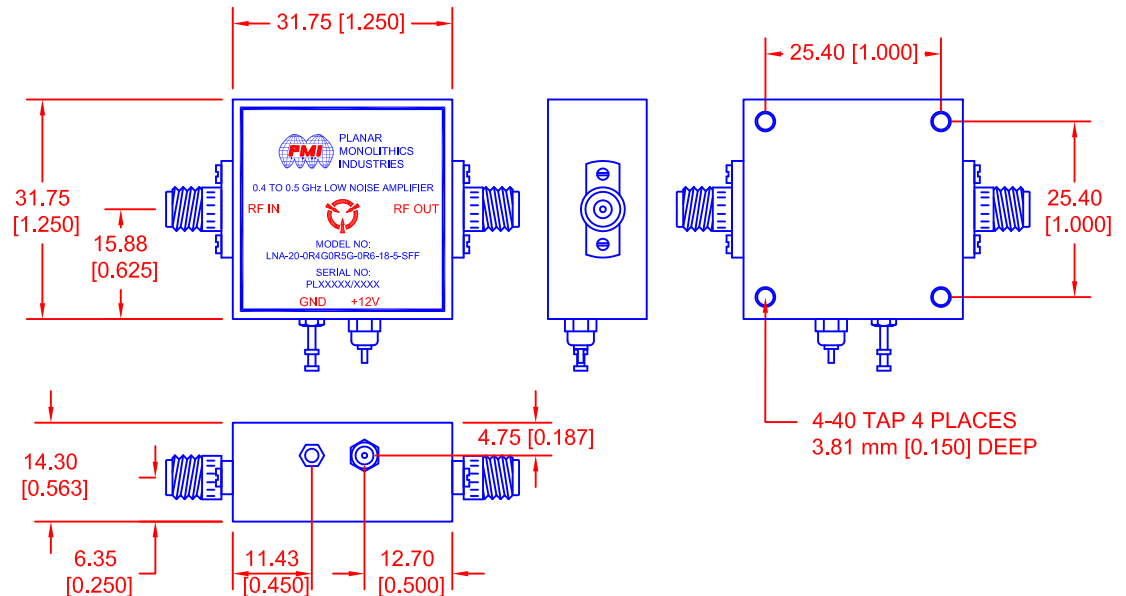
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN mm [INCH]  
TOLERANCES:  
X.XX ± 0.508 [0.020]  
X.XXX ± 0.254 [0.010]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/13/18	

## MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>B. Thomas</i>		09/29/16	PRODUCT FEATURE LNA-20-0R4G0R5G-0R6-18-5-SFF 0.4 to 0.5 GHz Low Noise Amplifier			
CHECKED <i>EW</i>		4/13/18	SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S	SHEET 1 OF 1		