

## DESCRIPTION

PMI MODEL LNA-33-0R18-NFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.1 TO 8.0 GHZ. IT HAS A TYPICAL GAIN OF 33 dB AND A MAXIMUM NOISE FIGURE OF 2.5 dB (ABOVE 300 MHz). THIS MODEL IS OUTFITTED WITH N FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 8.0 GHz
- GAIN: 30 dB MIN, 33 dB TYP, 36 dB MAX (ABOVE 100 MHz)
- GAIN FLATNESS:  $\pm 2$  dB MAX (ABOVE 100 MHz)
- NOISE FIGURE: 2.5 dB MAX (ABOVE 300 MHz)
- P1dB: +20 dBm MIN
- MAX INPUT POWER: +5 dBm MAX
- INPUT VSWR: 2.5:1 MAX
- OUTPUT VSWR: 2.5:1 MAX
- OPERATING VOLTAGE: 15 VDC
- OPERATING CURRENT: 325 mA
- CONNECTORS: N FEMALE
- FINISH: PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: -20 °C TO +55 °C (OPERATING)  
-65 °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

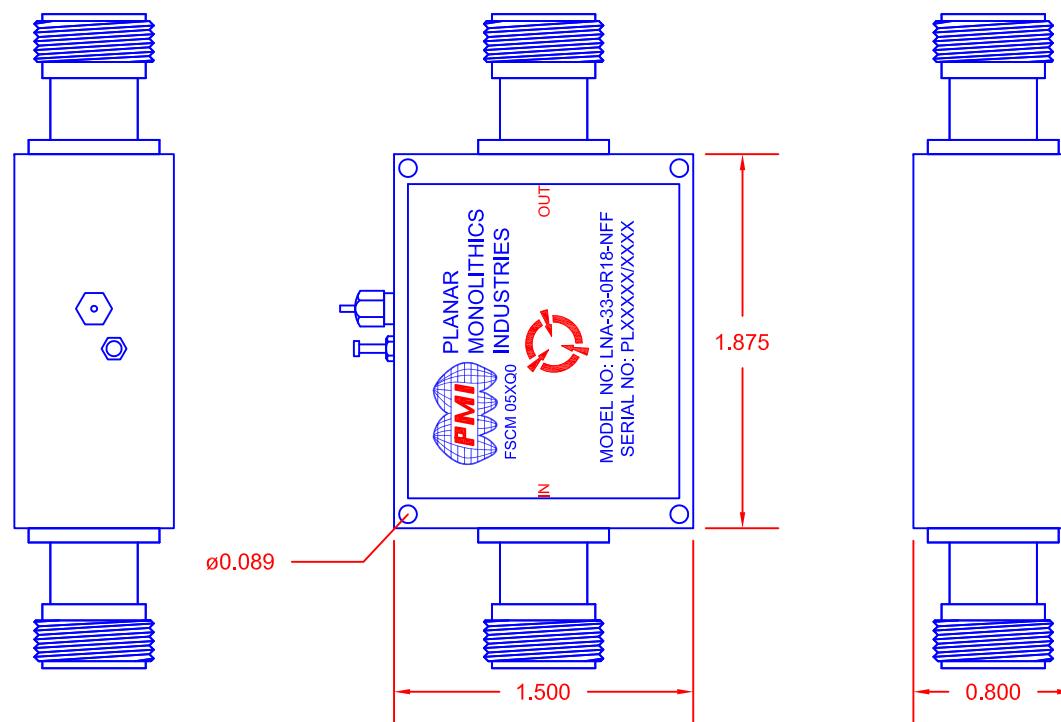
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/17/2019	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE LNA-33-0R18-NFF				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>5/17/19</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		