

## DESCRIPTION

PMI MODEL NO. LNA-46-17-5-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 1.0 TO 7.0 GHz. IT HAS A MINIMUM GAIN OF 46 dB AND A NOISE FIGURE OF 5 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS. THIS IS A FORM, FIT, FUNCTION TO LORAL 342052.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 7.0 GHz
- OUTPUT POWER P1dB: ----- 23 dBm
- GAIN: ----- 46 dB MIN, 54 dB MAX
- GAIN FLATNESS: ----- ±2 dB
- NOISE FIGURE: ----- 5 dB
- VSWR IN/OUT: ----- 2:1
- MINIMUM THIRD ORDER INTERCEPT POINT: ----- 30 dBm
- TYPICAL SATURATED OUTPUT POWER: ----- 25 dBm
- HARMONICS: ----- 12 dBc
- NON-HARMONIC SPURIOUS: ----- 50 dBc
- STABILITY: ----- UNCONDITIONAL
- COOLING: ----- CONVECTION
- DC VOLTAGE: ----- 15 V
- DC CURRENT: ----- 1100 mA
- FINISH: ----- GOLD PLATED

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- 0 °C TO +70 °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

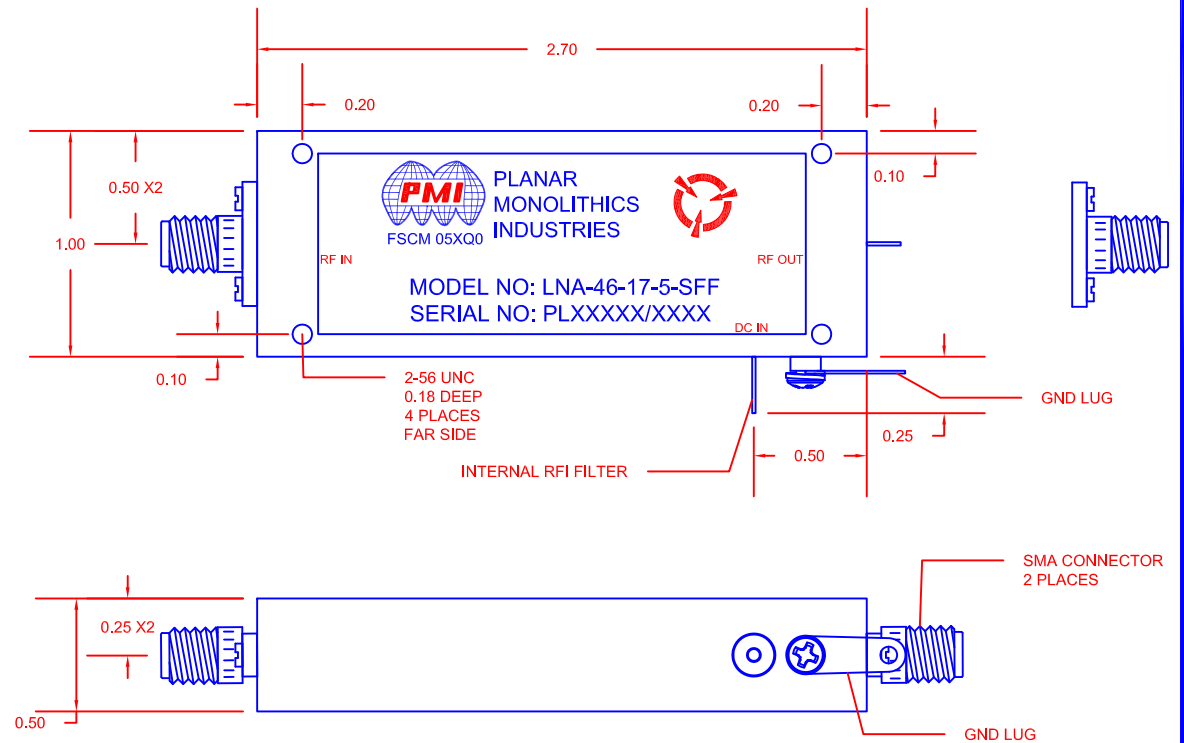
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/26/2019	

## MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		6/26/19	PRODUCT FEATURE LNA-46-17-5-SFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		