

## DESCRIPTION

PMI MODEL NO. LNA-32-26-5-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 2.0 TO 6.0 GHz. IT HAS A MINIMUM GAIN OF 32 dB AND A NOISE FIGURE OF 5 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS. THIS IS A FORM, FIT, FUNCTION TO LORAL 342053.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 2.0 TO 6.0 GHz
- OUTPUT POWER P1dB: ----- 23 dBm
- GAIN: ----- 32 dB MIN, 37 dB MAX
- GAIN FLATNESS: ----- ±2.25 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: ----- 600 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

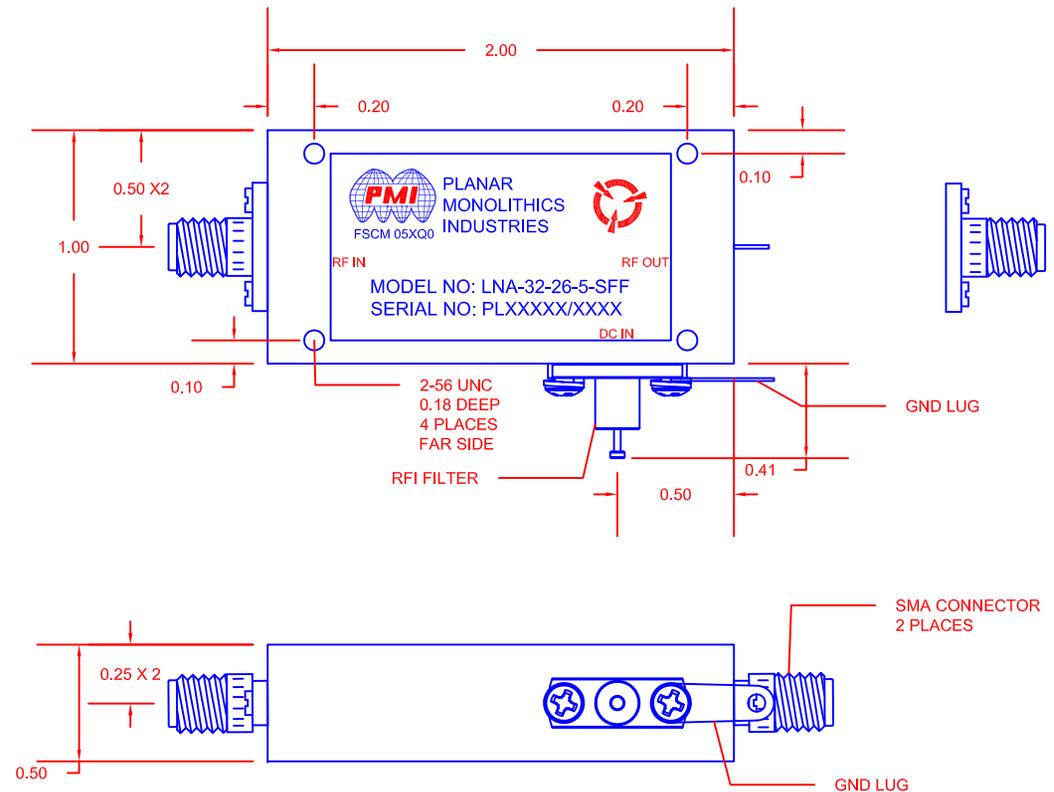
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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

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

## MECHANICAL OUTLINE



**PLANAR MONOLITHICS INDUSTRIES, INC.**  
7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: (301)-662-5019, FAX: (301)-662-1731  
WEB: [www.pmi-rf.com](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		6/26/19	PRODUCT FEATURE LNA-32-26-5-SFF			-
REDRAWN			SIZE	FSCM NO.	DWG NO.	
ISSUED			A	05XQ0	PRELIMINARY	
			SCALE	N:S	SHEET	1 OF 1