

DESCRIPTION

PMI MODEL NO. LNA-27-0R51R5-6-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.5 TO 1.5 GHz. IT HAS A MINIMUM GAIN OF 27 dB AND A NOISE FIGURE OF 6 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS. THIS IS A FORM, FIT, FUNCTION TO LORAL 342079.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.5 TO 1.5 GHz
- OUTPUT POWER P1dB: ----- 30 dBm
- GAIN: ----- 27 dB MIN, 32 dB MAX
- GAIN FLATNESS: ----- ±1.25 dB
- NOISE FIGURE: ----- 6 dB
- VSWR IN/OUT: ----- 2:1
- MINIMUM THIRD ORDER INTERCEPT POINT: ----- 38 dBm
- TYPICAL SATURATED OUTPUT POWER: ----- 33 dBm
- HARMONICS: ----- -12 dBc
- NON-HARMONIC SPURIOUS: ----- -50 dBc
- STABILITY: ----- UNCONDITIONAL
- COOLING: ----- CONVECTION
- DC VOLTAGE: ----- 15 V
- DC CURRENT: ----- 1500 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

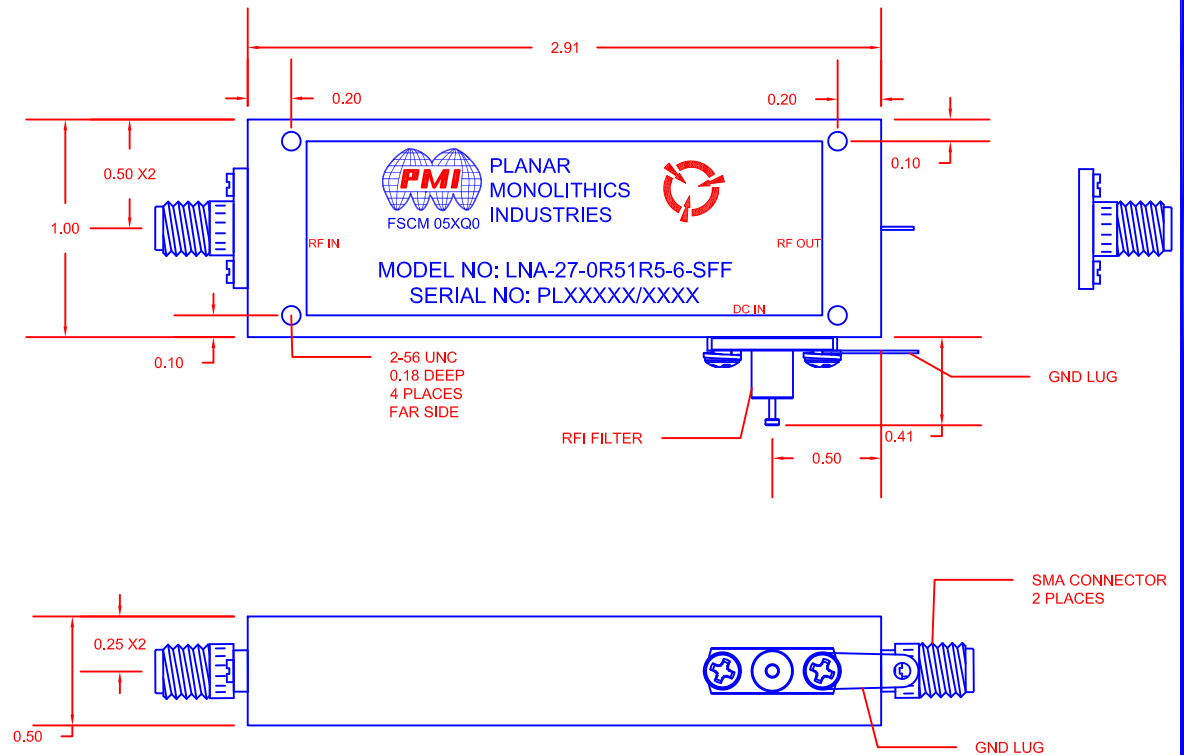
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

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



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, EMAIL: sales@pmi-rf.com
 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		6/26/19	PRODUCT FEATURE LNA-27-0R51R5-6-SFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		