

DESCRIPTION

PMI MODEL NO. LNA-47-0R52-4-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.5 TO 2.0 GHz. IT HAS A MINIMUM GAIN OF 47 dB AND A NOISE FIGURE OF 4 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS. THIS IS A FORM, FIT, FUNCTION TO LORAL 320456.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 2.0 GHz
- OUTPUT POWER P1dB: 20 dBm
- GAIN: 47 dB MIN, 53 dB MAX
- GAIN FLATNESS: ± 1.25 dB
- NOISE FIGURE: 4 dB
- VSWR IN/OUT: 2:1
- MINIMUM THIRD ORDER INTERCEPT POINT: 30 dBm
- TYPICAL SATURATED OUTPUT POWER: 23 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

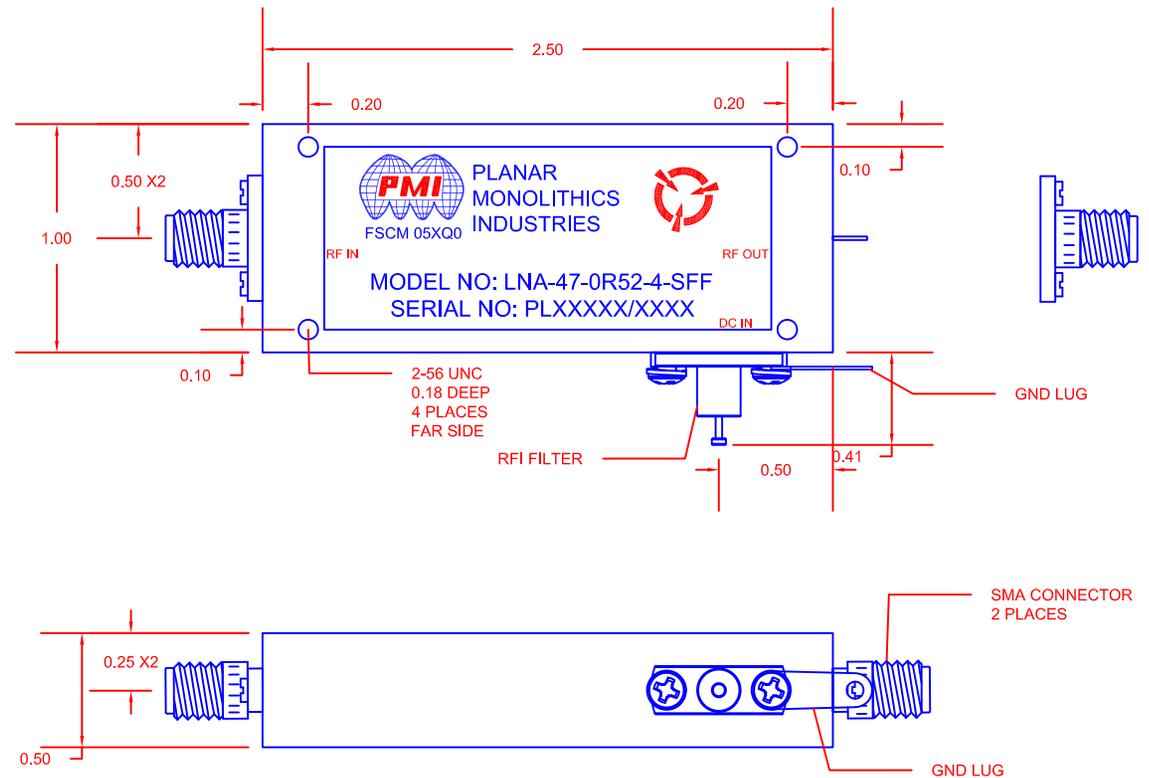
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

MECHANICAL OUTLINE



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

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APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		6/26/19	PRODUCT FEATURE LNA-47-0R52-4-SFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		