

DESCRIPTION

PMI MODEL NO. LNA-20-17-5-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 20 dB AND A NOISE FIGURE OF 5 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS. THIS IS A FORM, FIT, FUNCTION TO LORAL 342108.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 7.0 GHz
- OUTPUT POWER P1dB: ----- 22 dBm
- GAIN: ----- 20 dB MIN, 26 dB MAX
- GAIN FLATNESS: ----- ±2.0 dB
- NOISE FIGURE: ----- 5 dB
- VSWR IN/OUT: ----- 2:1
- MINIMUM THIRD ORDER INTERCEPT POINT: ----- 32 dBm
- TYPICAL SATURATED OUTPUT POWER: ----- 24 dBm
- HARMONICS: ----- -12 dBc
- NON-HARMONIC SPURIOUS: ----- -50 dBc
- STABILITY: ----- UNCONDITIONAL
- COOLING: ----- CONVECTION
- DC VOLTAGE: ----- 15 V
- DC CURRENT: ----- 900 mA
- FINISH: ----- GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- 3 °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

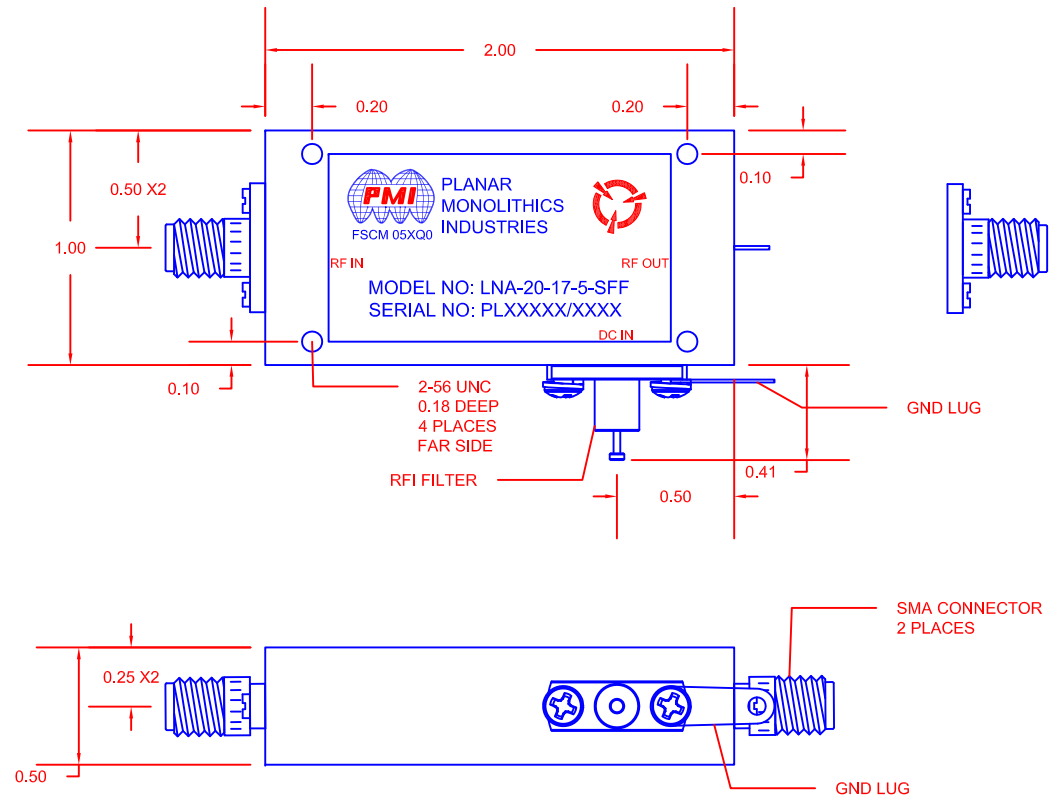
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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



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APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		6/26/19	PRODUCT FEATURE LNA-20-17-5-SFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		