DESCRIPTION

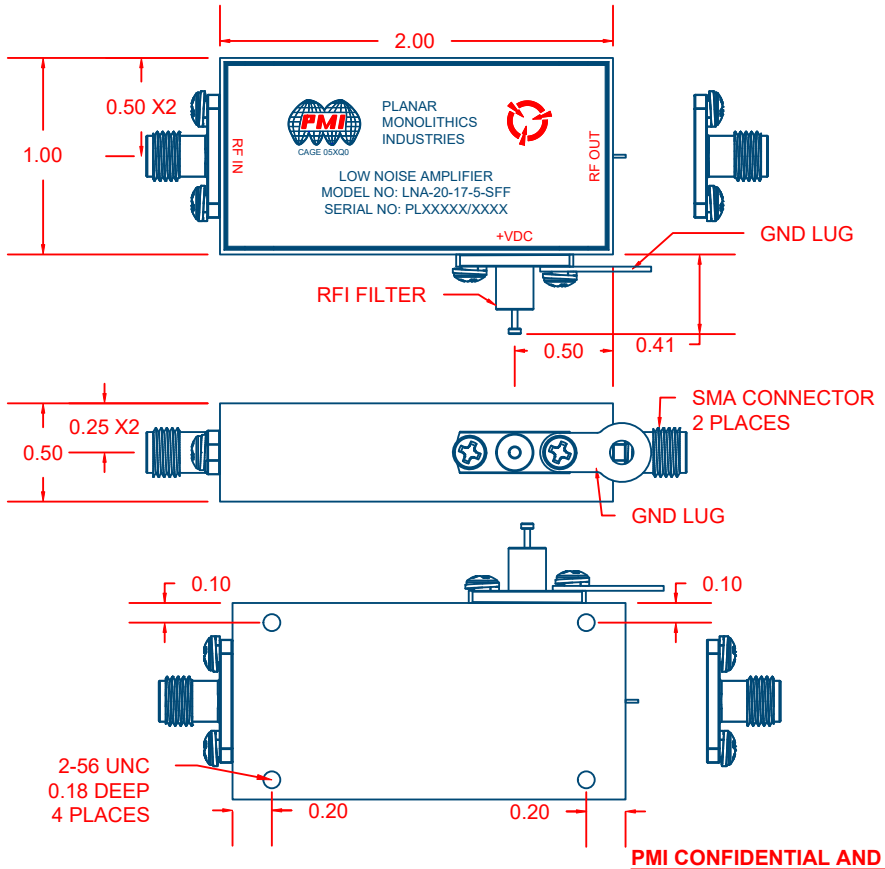
PMI MODEL NO. LNA-20-17-5-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE 1.0 TO 7.0 GHz. IT HAS A MINIMUM GAIN OF 20 dB AND A NOISE FIGURE OF 5 dB. OUTFITTED WITH SMA FEMALE CONNECTORS, THIS AMPLIFIER IS A FORM, FIT, FUNCTION EQUIVALENT TO LORAL 342108.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/28/2020	
	A2	ECN # 26-0210	10/1/2026	

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
MIN. THIRD ORDER INTERCEPT POINT	32 dBm
TYP. 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

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

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

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN CW	06/26/2019
REDRAWN JMB	12/12/2019
ISSUED	

TITLE: PRODUCT FEATURE
LNA-20-17-5-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27037720	A1

SCALE N:S SHEET 1 OF 1