

DESCRIPTION

PMI MODEL NUMBER LNA-3D6G4D2G-50D0-0D56-15-SFF IS A NARROW BAND ULTRA LOW NOISE AMPLIFIER(3.6-4.2 GHz), 15 VOLT DC SUPPLY(200 mA MAX), FLAT GAIN, HIGH GAIN (28 dB), AND HIGH LINEARITY.

SPECIFICATIONS @ 23°C

- FREQUENCY:----- 3.6GHz to 4.2 GHz
- GAIN:----- 50 dB MIN
- GAIN FLATNESS:----- ± 0.5 dB MAX
- NOISE FIGURE:----- 0.56 dB MAX
- VSWR OUT:----- 1.50:1 MAX
- VSWR IN:----- 1.25:1 MAX
- P1dB----- 10 dBm MIN
- POWER SUPPLY:----- +15 V, 200 mA max
- CONNECTORS:----- SMA FEMALE
- MAX POWER:----- 10 WATTS PULSED
1 μ s 0.1% DUTY*
- AMPLIFIER UNCONDITIONALLY STABLE:----- OPEN/SHORT/LOAD
- FINISH:----- GOLD PLATED
- SIZE:----- 1.91 x 0.78 x 0.36
WITHOUT
CONNECTORS

* WITH NO DAMAGE

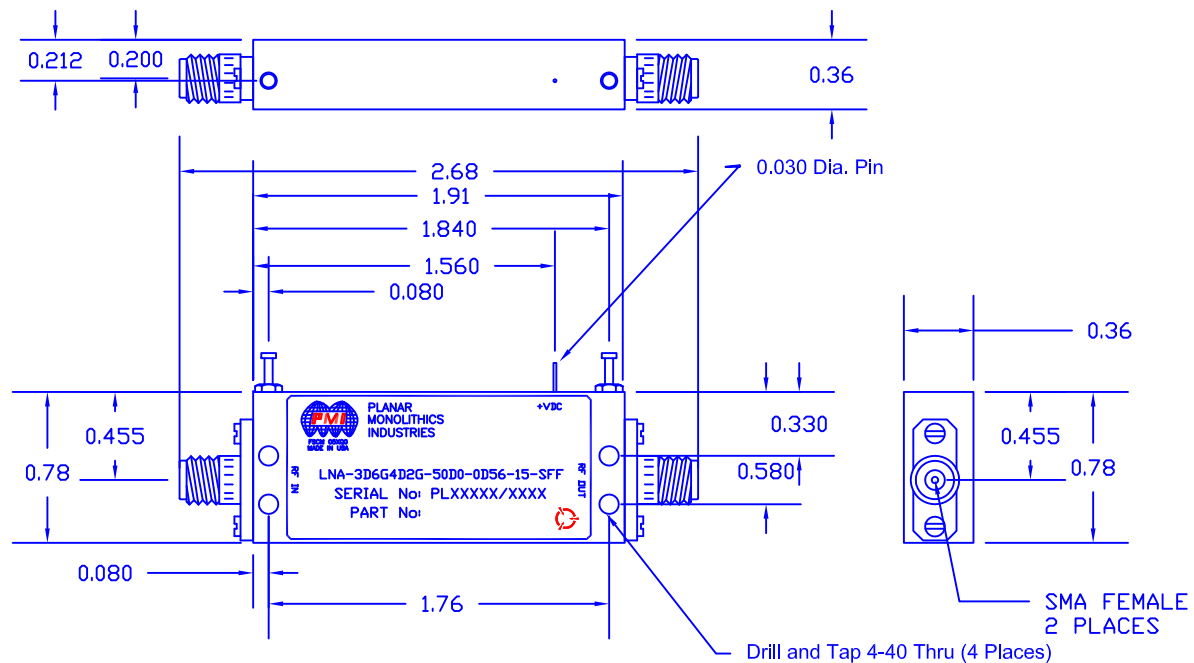
ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-55 °C TO +125 °C (NON-OPERATING)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	10/26/15	LJP

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE		TITLE		SIZE		FSCM NO.		DWG NO.		PRELIMINARY		REV.	
DRAWN		LJP		10/26/15		A		05XQ0		PRELIMINARY		1			
CHECKED															
ISSUED															
						SCALE		N:S				SHEET		1 OF 1	