

DESCRIPTION

PMI MODEL NUMBER LNA-2D0G8D0G-27D0-1D2-11-SFF IS AN ULTRA LOW NOISE AMPLIFIER(2-8 GHz), 11 VOLT DC SUPPLY(100 mA MAX), FLAT GAIN, HIGH GAIN (27 dB), AND HIGH LINEARITY.

SPECIFICATIONS @ 23°C

- FREQUENCY:----- 2 GHz to 8 GHz
- GAIN:----- 24 dB MIN, 30 dB MAX
- GAIN FLATNESS:----- ± 1 dB MAX
- NOISE FIGURE:----- 1.2 dB MAX
- VSWR OUT:----- 2.0:1 MAX
- VSWR IN:----- 2.0:1 MAX
- P1dB:----- 10 dBm MIN
- POWER SUPPLY:----- +11 V, 100 mA max
- CONNECTORS:----- SMA FEMALE (REMOVABLE)
- PACKAGE----- SURFACE MOUNT
- DC BLOCKING----- INPUT AND OUTPUT
- AMPLIFIER UNCONDITIONALLY STABLE:----- OPEN/SHORT/LOAD
- FINISH:----- GOLD PLATED
- SIZE:----- 1.08 x 0.71 x 0.29

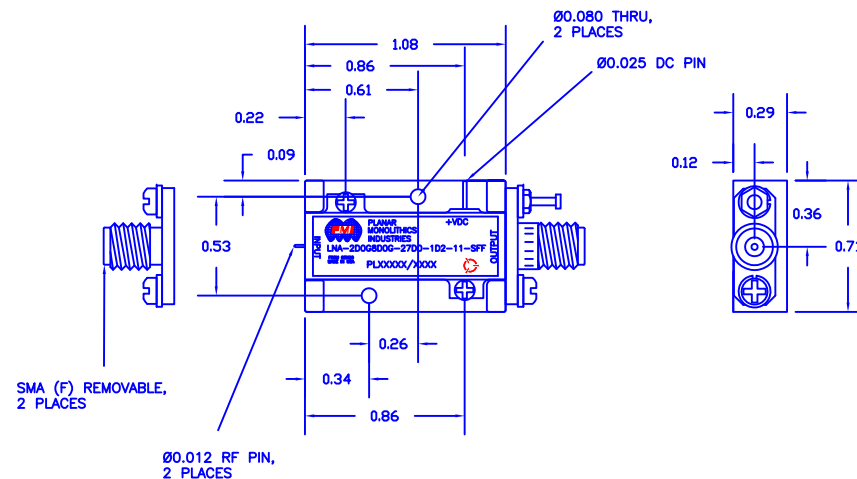
ENVIRONMENTAL RATINGS

- 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

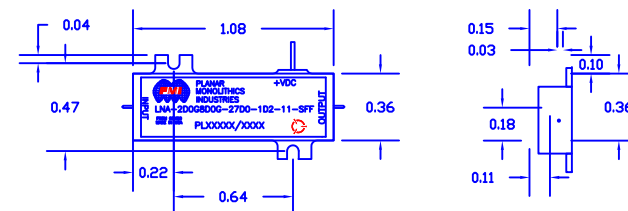
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

MECHANICAL OUTLINE

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	10/29/15	LGP

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		LGP		LNA-2D0G8D0G-27D0-1D2-11-SFF 2 TO 8 GHz AMPLIFIER	
CHECKED					
ISSUED					
SIZE	FSCM NO.	DWG NO.	PRELIMINARY		REV.
A	05XQ0				1
SCALE	N:S			SHEET	1 OF 1