| REVISIONS | | | | |
|---|---|---|---|---|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | 1 | ORIGINAL RELEASE | 04/27/16 | |
| | | | | |

## DESCRIPTION

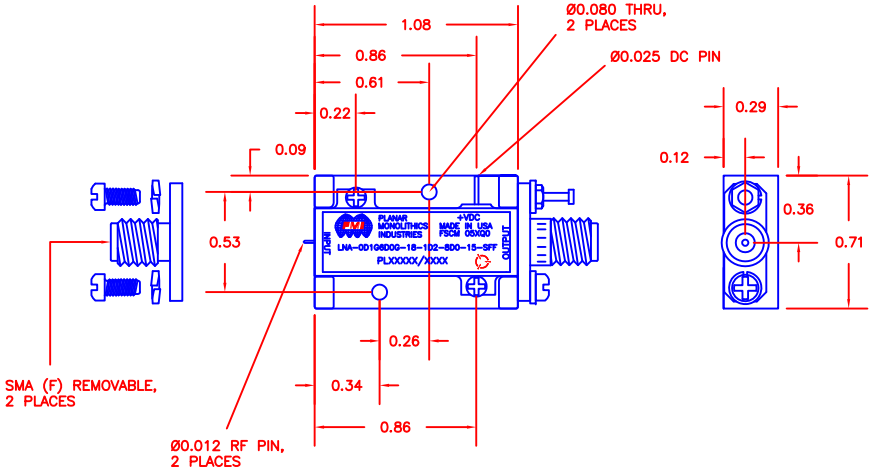
PMI MODEL NUMBER LNA-0D1G6D0G-18-1D2-8D0-15-SFF IS A LOW NOISE AMPLIFIER WITH VERY WIDE BAND (0.1 – 6.0 GHz), MINIMAL DC SUPPLY, FLAT GAIN, HIGH GAIN, AND HIGH LINEARITY.

## SPECIFICATIONS @ 23°C

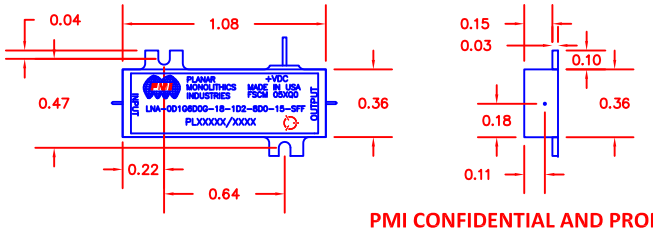
- FREQUENCY RANGE: 0.1 GHz to 6.0 GHz
- GAIN: 18 dB MIN
- GAIN FLATNESS: ±1.2 dB MAX
- NOISE FIGURE: 1.8 dB MAX
- VSWR (IN/OUT): 2.0:1 MAX
- P1 dB OUT: +8 dBm MIN
- OUTPUT IP3: +18 dBm MAX
- VOLTAGE: +15 V @ +80 mA TYP
- CONNECTORS: SMA FEMALE (INPUT)
- FINISH: GOLD PLATED
- SIZE: (L) 1.08" X (W) 0.71" X (H) 0.29"

## MECHANICAL OUTLINE

### PE2 HOUSING WITH CARRIER




### PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)




PMI CONFIDENTIAL AND PROPRIETARY

## ENVIRONMENTAL RATINGS

- **TEMPERATURE:** –54°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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010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ISO 9001 CERTIFIED


| APPROVALS | DATE |
|---|---|
| DRAWN B. Thomas | 04/27/16 |
| CHECKED | |
| ISSUED | |

TITLE: PRODUCT FEATURE
LNA-0D1G6D0G-18-1D2-8D0-15-SFF
0.1 TO 6.0 GHz AMPLIFIER

| SIZE | FSCM NO. | DWG NO. | REV. |
|---|---|---|---|
| A | 05XQ0 | 27028891 | 1 |

SCALE N:S SHEET 1 OF 1