

DESCRIPTION

PMI MODEL NUMBER LNA-0D1G8D0G-20-1D5-10D0-15-SFF IS A LOW NOISE AMPLIFIER WITH VERY WIDE BAND(0.1-8.0 GHz), MINIMAL DC SUPPLY, FLAT GAIN, HIGH GAIN, AND HIGH LINEARITY.

SPECIFICATIONS @ 23°C

- FREQUENCY:----- 0.1 GHz to 8.0 GHz
- GAIN:----- 20 dB MIN
- GAIN FLATNESS:----- ± 1.5 dB MAX
- NOISE FIGURE:----- 1.5 dB MAX
- VSWR IN:----- 2.0:1 MAX
- VSWR OUT:----- 2.0:1 MAX
- P1 dB OUT:----- +10 dBm MIN
- OUTPUT IP3:----- +20 dBm TYP
- VOLTAGE:----- +8 TO +15 V @ +80 mA TYP
- CONNECTORS:----- SMA FEMALE
- AMPLIFIER UNCONDITIONALLY STABLE:----- OPEN/SHORT/LOAD
- FINISH:----- GOLD PLATED
- SIZE:----- 1.08 x 0.71 x 0.29

ENVIRONMENTAL RATINGS

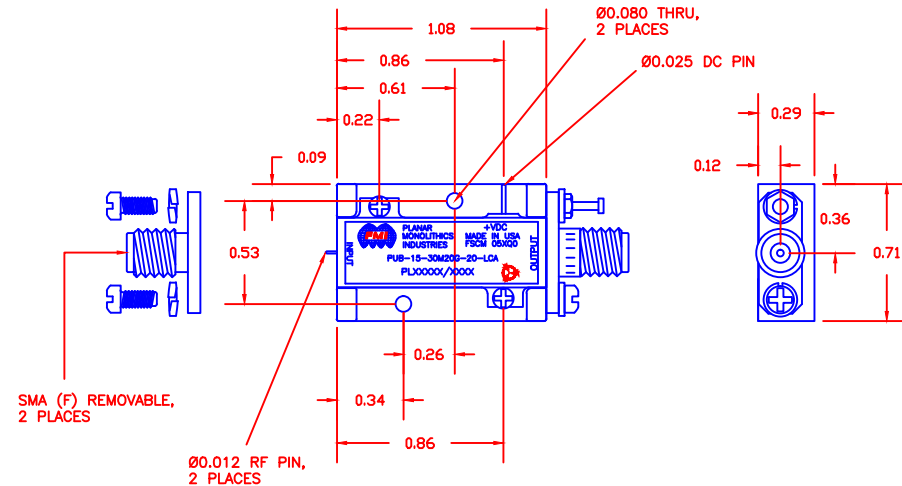
- TEMPERATURE: ----- -54 °C TO +85 °C (OPERATING)
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202F, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202F, METHOD 107D COND. A

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

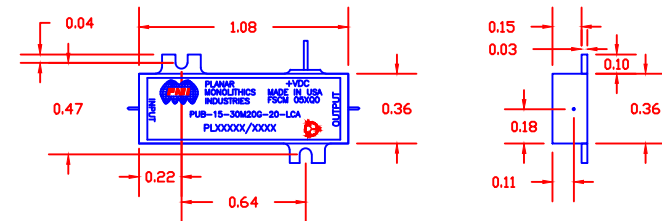
PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	07/23/15	LJP

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		LJP		07/23/15	
CHECKED					
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	

PRODUCT FEATURE
LNA-0D1G8D0G-20-1D5-10D0-15-SFF
0.1 TO 8.0 GHz AMPLIFIER

REV.
1