

DESCRIPTION

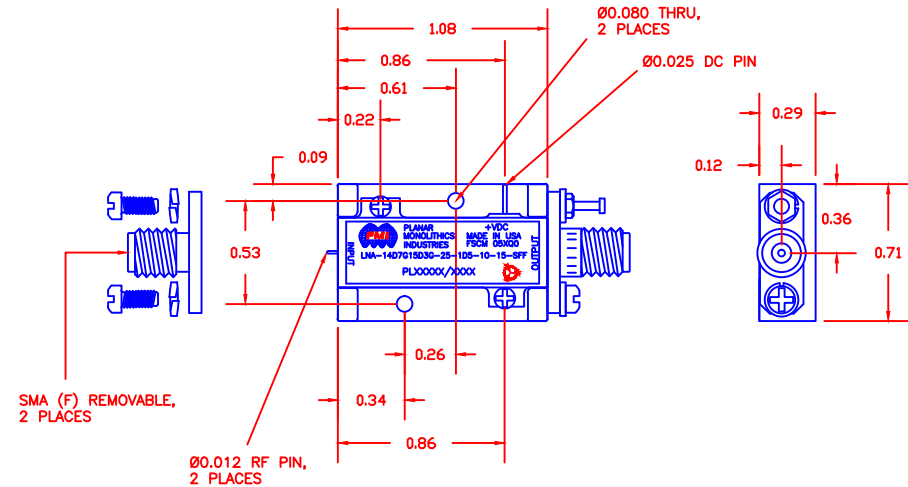
PMI MODEL NUMBER LNA-14D7G15D3G-25-1D5-10-15-SFF IS A Ku BAND LOW NOISE AMPLIFIER, MINIMAL DC SUPPLY, FLAT GAIN, HIGH GAIN, AND HIGH LINEARITY.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	07/31/15	LJP

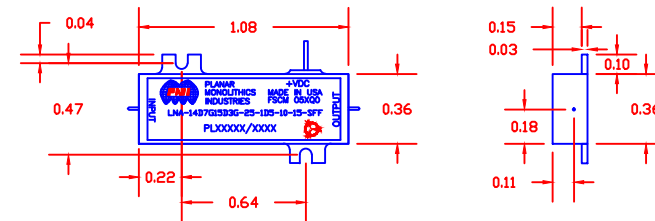
SPECIFICATIONS @ 23°C

- FREQUENCY:----- 14.75 GHz to 15.25 GHz
- GAIN:----- 23 dB MIN, 27 dB MAX
- GAIN FLATNESS:----- ± 0.75 dB MAX
- GAIN VARIATION OVER TEMP:----- ± 0.03 dB/°C MAX
- NOISE FIGURE:----- 1.5 dB TYP
2.0 dB MAX @ 70°C
- VSWR IN:----- 1.5:1 MAX
- VSWR OUT:----- 1.5:1 MAX
- P1 dB OUT:----- +10 dBm MIN
- OUTPUT IP3:----- +20 dBm MIN
- VOLTAGE:----- +15 V @ +100 mA TYP
- CONNECTORS:----- SMA FEMALE (INPUT)
- FINISH:----- GOLD PLATED
- SIZE:----- 0.43 x 0.71 x 0.29
- GAIN TRACKING BETWEEN PAIRS----- ± 0.5 dB MAX
- PHASE TRACKING BETWEEN PAIRS----- ± 5 DEGREES TYP

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



ENVIRONMENTAL RATINGS

- TEMPERATURE:----- -30 °C TO +70 °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

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>LJP</i>		07/31/15	PRODUCT FEATURE LNA-14D7G15D3G-25-1D5-10-15-SFF 14.75 TO 15.25 GHz AMPLIFIER			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1
ISSUED			SCALE N:S	SHEET 1 OF 1		