

DESCRIPTION

PMI MODEL NUMBER LNA-0D1G20D0G-10-4D5-15D0-2D5-292FF IS A LOW NOISE AMPLIFIER WITH VERY WIDE BAND(0.1-20.0 GHz), MINIMAL DC SUPPLY, FLAT GAIN, HIGH GAIN, AND HIGH LINEARITY.

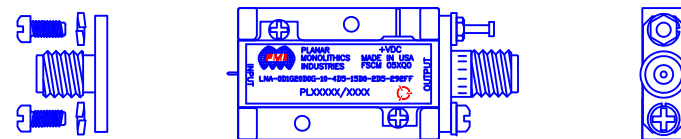
SPECIFICATIONS @ 23°C

- FREQUENCY:----- 0.1 GHz to 20 GHz
- GAIN:----- 10 dB MIN
- GAIN FLATNESS:----- ± 1 dB MAX
- NOISE FIGURE 0.5 TO 20 GHz:----- 4.5 dB TYP
- VSWR IN:----- 2.0:1 MAX
- VSWR OUT:----- 2.0:1 MAX
- P1 dB OUT:----- +15 dBm MIN
- OUTPUT IP3:----- +24 dBm TYP
- VOLTAGE:----- +2.5 V @ +250 mA TYP
- CONNECTORS:----- 2.92 FEMALE
- AMPLIFIER UNCONDITIONALLY STABLE:----- OPEN/SHORT/LOAD
- FINISH:----- GOLD PLATED
- SIZE:----- TBD

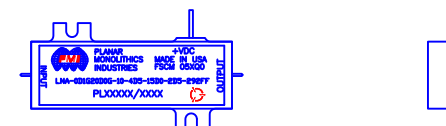
REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	03/21/16	LJP

HOUSING WITH CARRIER TBD



HOUSING WITHOUT CARRIER (SURFACE MOUNT) TBD



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

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		SIZE		FSCM NO.		DWG NO.		REV.	
DRAWN		03/21/16		PRODUCT FEATURE		A		05XQ0		PRELIMINARY		1	
CHECKED													
ISSUED													
						SCALE		N:S				SHEET	
												1 OF 1	

PMI CONFIDENTIAL AND PROPRIETARY