

DESCRIPTION

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

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
- P1dB OUT:----- +10 dBm MIN
- OUTPUT IP3:----- +20 dBm MIN
- VOLTAGE:----- +15 V @ +100 mA TYP
- CONNECTORS:----- SMA FEMALE (INPUT)
- FINISH:----- GOLD PLATED
- SIZE:----- 0.64" x 0.36" x 0.18"
EXCLUDING MOUNTING TABS
- GAIN TRACKING BETWEEN PAIRS----- ± 0.5 dB MAX
- PHASE TRACKING BETWEEN PAIRS----- ± 5° TYP

ENVIRONMENTAL RATINGS

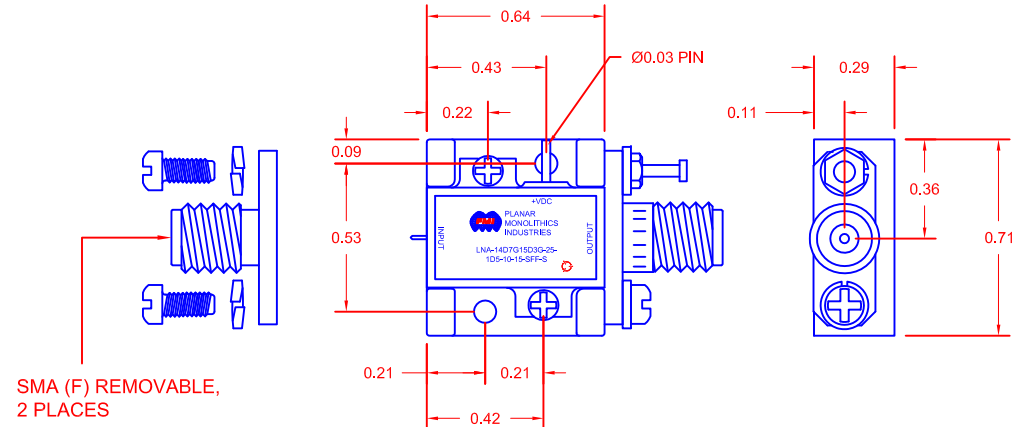
- TEMPERATURE:----- -30 °C TO +70 °C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY:----- MIL-STD-202, METHOD 103B COND. B
- SHOCK:----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION:----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:----- MIL-STD-202, METHOD 107D COND. A

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

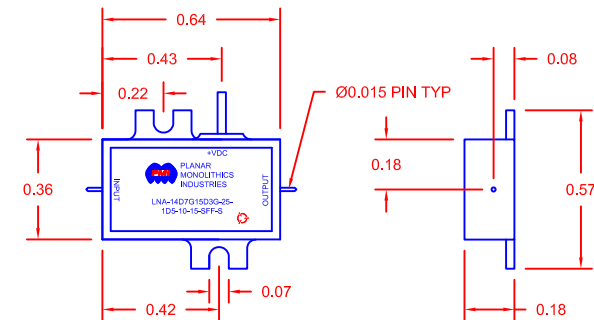
PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/09/15	

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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			REV.
DRAWN <i>M. Berry</i>		11/09/15	PRODUCT FEATURE LNA-14D7G15D3G-25-1D5-10-15-SFF-S 14.75 TO 15.25 GHz AMPLIFIER			-
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S		SHEET 1 OF 1	