

DESCRIPTION

PMI MODEL: LNA-0D1G6D0G-9-33-28-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 0.1 TO 6.0 GHz FREQUENCY RANGE WHICH PROVIDES A MINIMUM GAIN OF 6.0 dB WHILE MAINTAINING A MAXIMUM GAIN FLATNESS OF ±1.5 dB AND P1dB OF 33 dBm MINIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.1 TO 6.0 GHz
- INPUT POWER: ----- 24 dBm MINIMUM
- PULSE WIDTH: ----- 170 ps
- RISE TIME (10 V PEAK): ----- 85 ps
- FALL TIME (10 V PEAK): ----- 85 ps
- SMALL SIGNAL GAIN: ----- 6.0 dB MINIMUM
9.0 dB MAXIMUM
- GAIN FLATNESS: ----- ±1.5 dB MAXIMUM
- P1dB: ----- 33 dBm MINIMUM
- VSWR IN/OUT: ----- 2.0:1 MAXIMUM
- SUPPLY VOLTAGE & CURRENT: ----- +28 VDC @ 400 mA TYPICAL
- CONNECTORS: ----- SMA FEMALE REMOVEABLE
- SIZE: ----- 2.50" x 2.40" x 0.40"
63.50 mm x 60.96 mm x 10.16 mm
- FINISH: ----- BLUE EPOXY POLIMIDE COATING IAW
MIL-C-22750, TYPE I OVER EPOXY POLIMIDE
PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

NOTE: PROPER HEATSINKING REQUIRED

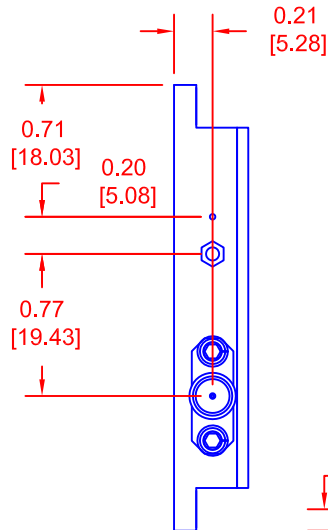
ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
-54 °C TO +100 °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

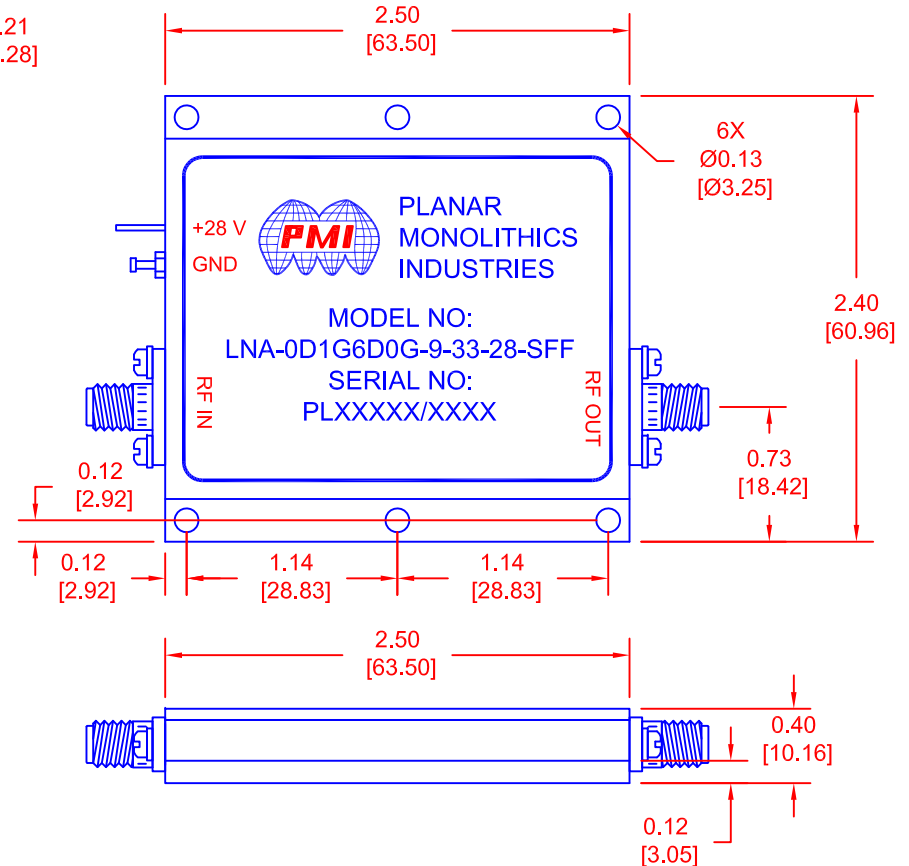
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/11/16	

MECHANICAL OUTLINE



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

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APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		09/11/16	PRODUCT FEATURE LNA-0D1G6D0G-9-33-28-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO.	REV. -
ISSUED			SCALE N:S		PRELIMINARY	SHEET 1 OF 1