

## DESCRIPTION

PMI MODEL: LNA-8M6G-24-18-TTL IS A LOW NOISE AMPLIFIER THAT OPERATES FROM 8 MHz TO 6 GHz, AND HAS A TTL OUTPUT TO INDICATE WHEN THE AMPLIFIER IS IN SATURATION.

## SPECIFICATIONS

- FREQUENCY RANGE: 8 MHz TO 6 GHz
- GAIN: 24 dB NOMINAL
- GAIN FLATNESS: 2 dB P-P NOMINAL
- NOISE FIGURE: 5 dB MAX
- PSAT: 18 dBm NOMINAL
- VSWR INPUT / OUTPUT: 2.0:1 MAX
- DC VOLTAGE SUPPLY: +12 TO +15 VDC
- DC CURRENT: 150 mA NOMINAL
- TTL OUTPUT: LOGIC 1 WHEN RF OUTPUT IS IN SATURATION

## ENVIRONMENTAL RATINGS

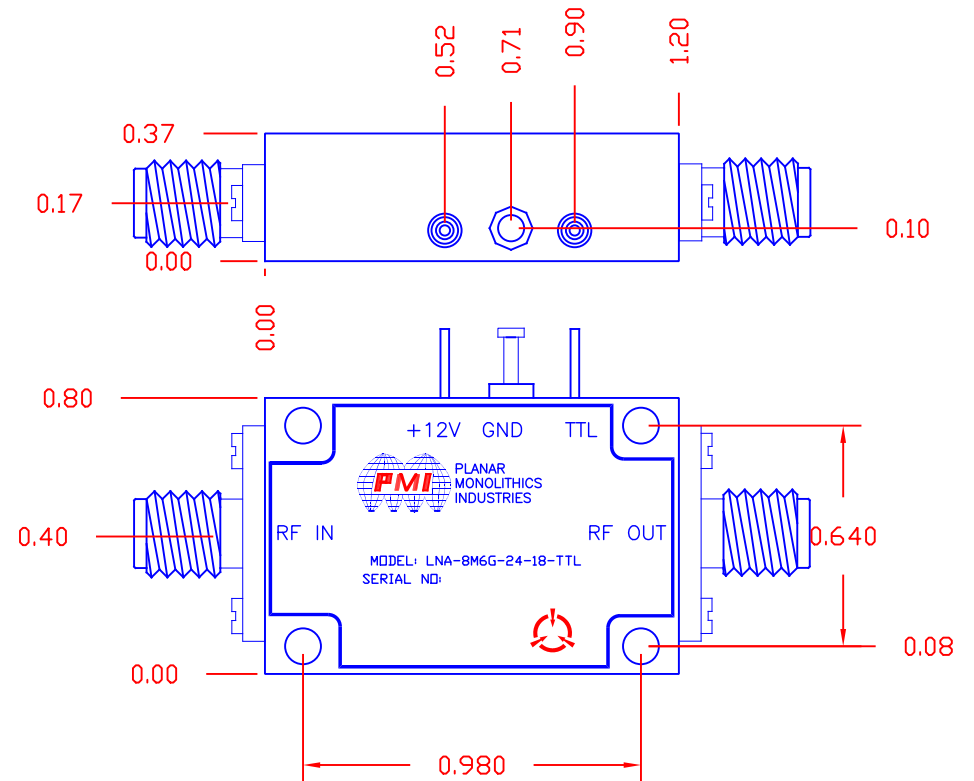
- TEMPERATURE: -20 °C TO +70 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2-9-26	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN AG		2-9-26	PRODUCT FEATURE LNA-8M6G-24-18-TTL		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1