

## DESCRIPTION

PMI MODEL: LNA-35-500M2D5G-0D6-25-12-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 500 TO 2500 MHz FREQUENCY RANGE. THIS MODEL OFFERS A TYPICAL GAIN OF 35 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 0.6 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 500 TO 2500 MHz
- GAIN: ----- 35 dB TYPICAL
- GAIN FLATNESS: -----  $\pm 1.6$  dB TYPICAL
- RF INPUT POWER: ----- +27 dBm MAXIMUM
- P1dB: ----- +25 dBm TYPICAL
- IP3: ----- +38.5 dBm TYPICAL
- NOISE FIGURE: ----- 0.6 dB TYPICAL
- REVERSE ISOLATION: ----- -50 dB TYPICAL
- VSWR IN/OUT: ----- 1.5:1 TYPICAL
- DC SUPPLY: ----- +12 TO +15 VDC @ 230 mA TYPICAL
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 31.75 mm x 31.75 mm x 14.30 mm  
1.25" x 1.25" x 0.563"
- FINISH: ----- BLUE PAINT

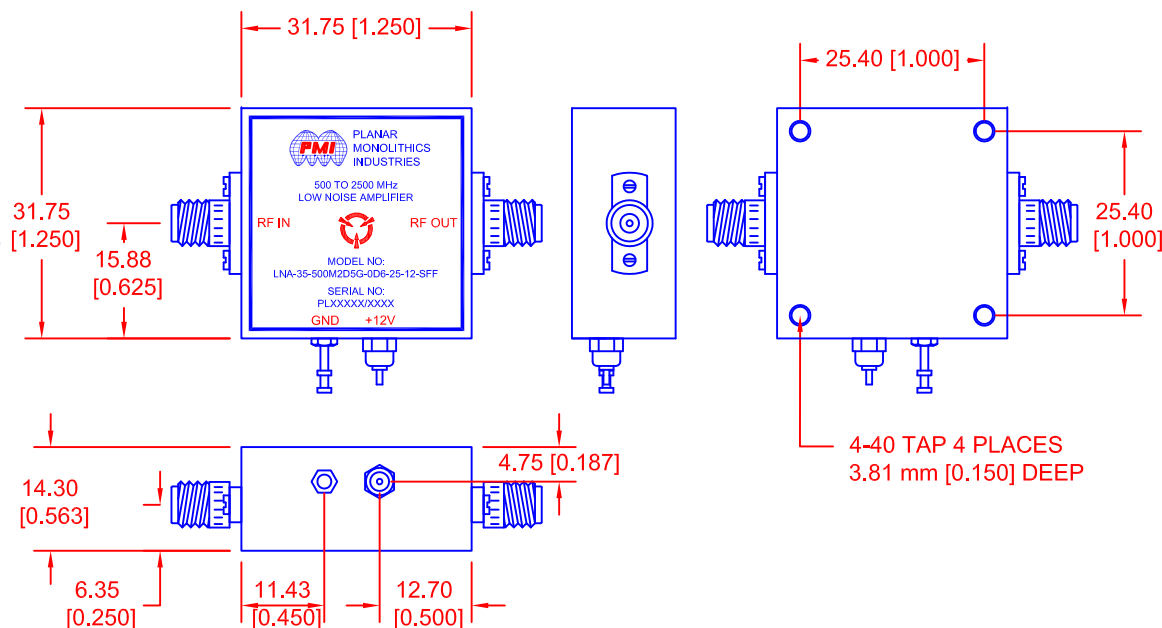
## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °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**



ALL DIMENSIONS  
ARE IN mm [INCH]  
TOLERANCES:  
X.XX  $\pm 0.508$  [0.020]  
X.XXX  $\pm 0.254$  [0.010]

## MECHANICAL OUTLINE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	09/09/17	

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>JPU</i>		09/09/17		PRODUCT FEATURE	
CHECKED				LNA-35-500M2D5G-0D6-25-12-SFF	
ISSUED				500 to 2500 MHz Low Noise Amplifier	
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27232121	A1		
SCALE	N:S			SHEET	1 OF 1