

DESCRIPTION

PMI MODEL: LNA-38-4M96M-4D3-25-15-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 4 TO 96 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 38 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 4.3 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

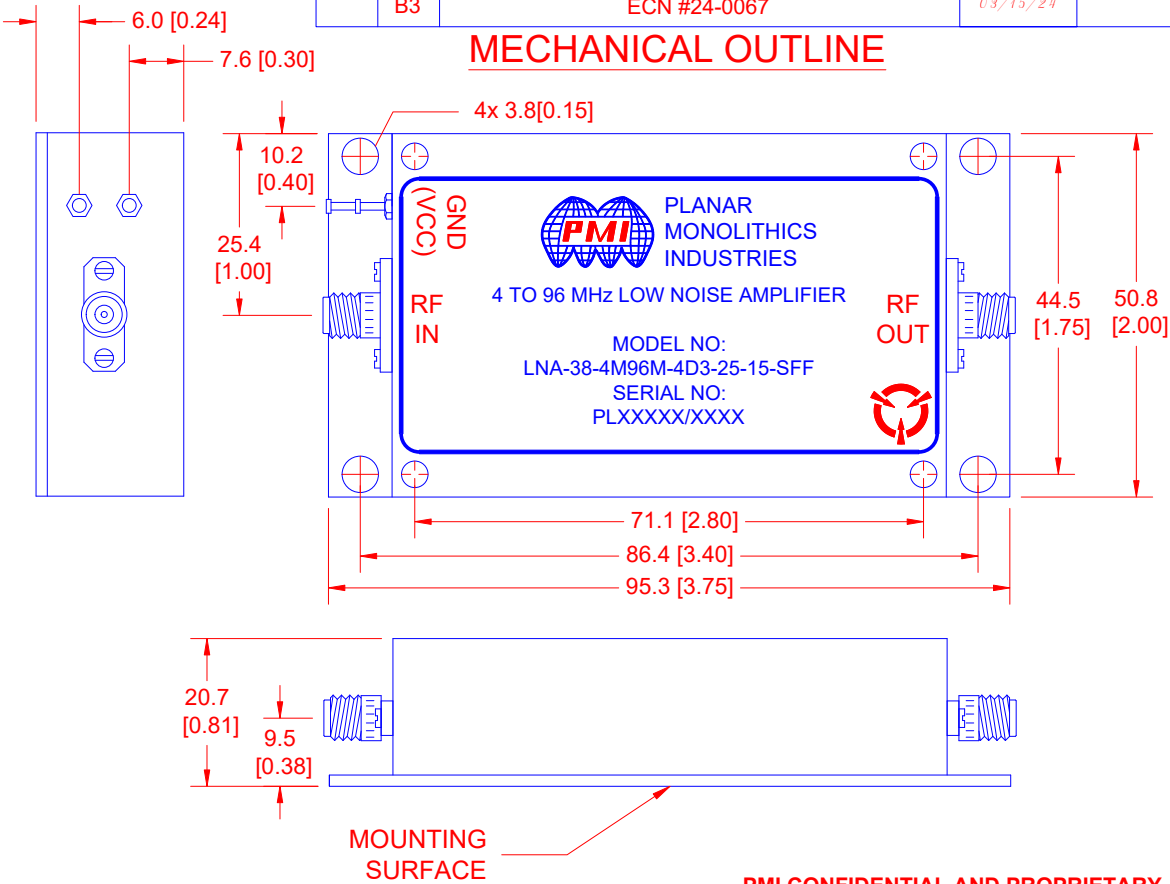
SPECIFICATIONS

- FREQUENCY RANGE: 4 TO 96 MHz
- GAIN: 38 dB MINIMUM
40 dB TYPICAL
- RF INPUT POWER: +17 dBm MAXIMUM
- P1dB: +25 dBm MINIMUM
+27 dBm TYPICAL
- IP3: +40.0 dBm TYPICAL
- NOISE FIGURE: 4.3 dB MAXIMUM
- REVERSE ISOLATION: -45 dB TYPICAL
- VSWR IN/OUT: 2.0:1 MAXIMUM
- DC SUPPLY: +12 TO +20 VDC @ 450 mA MAXIMUM
- CONNECTORS: SMA FEMALE
- SIZE: 92.25 mm x 50.80 mm x 20.64 mm
3.75" x 2.00" x 0.813"
- FINISH: BLUE PAINT - MOUNTING SURFACE
FREE OF PAINT

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-55 °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



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ISO 9001 CERTIFIED



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	03/09/17	
	B1	ECN #17-0091	05/11/17	
	B2	ECN #24-0047	02/23/24	
	B3	ECN #24-0067	03/15/24	

MECHANICAL OUTLINE				
APPROVALS		DATE		
DRAWN <i>JPU</i>		05/11/17		
CHECKED				
ISSUED				
TITLE		PRODUCT FEATURE		
		LNA-38-4M96M-4D3-25-15-SFF		
		4 to 96 MHz Low Noise Amplifier		
SIZE		FSCM NO.	DWG NO.	REV.
A		05XQ0	27032141	B3
SCALE		N:S	SHEET	1 OF 1

ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ± 1.27 [0.050]
X.XXX ± 0.508 [0.020]