

DESCRIPTION

PMI MODEL: LNA-19-8M12M-3D0-20-12-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 8 TO 12 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 19 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 4.5 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 8 TO 12 MHz
- GAIN: 19 dB MINIMUM
20 dB TYPICAL
- P1dB: 20 dBm MINIMUM
- IP3: 37 dBm MINIMUM
- NOISE FIGURE: 4.5 dB MAXIMUM
- VSWR IN/OUT: 1.5:1 MAXIMUM
- DC SUPPLY: +12 VDC @ 150 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 EPOXY POLIMIDE COATING
IAW MIL-C-22750, TYPE I OVER
EPOXY POLIMIDE PRIMER IAW
MIL-P-23377, TYPE I, CLASS 1 OR 3.

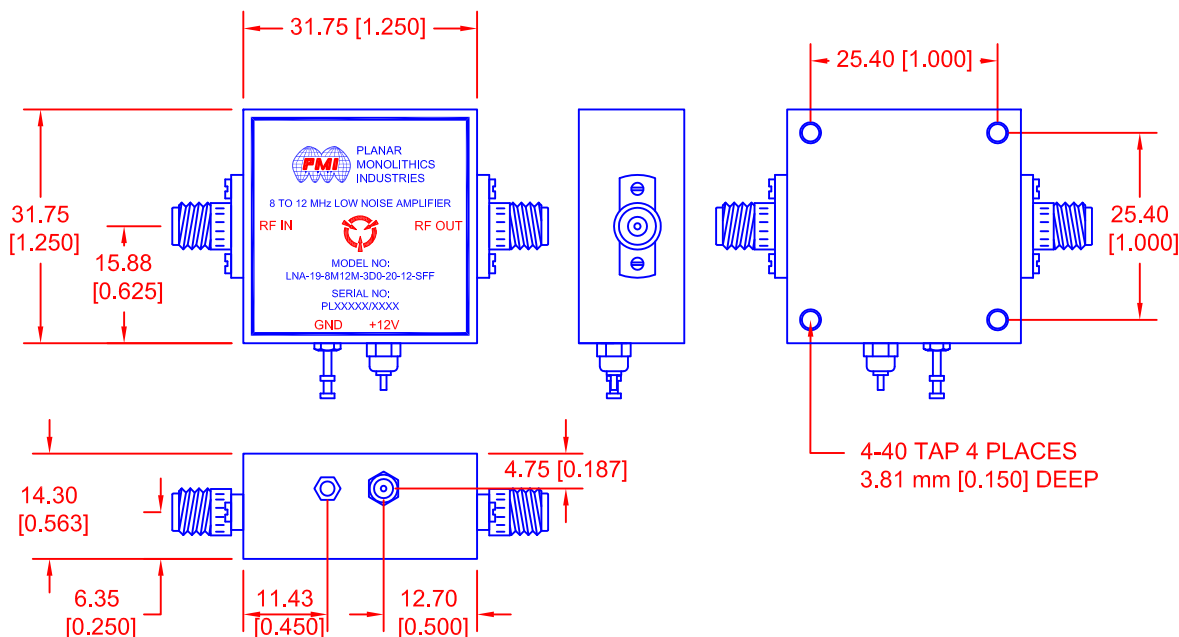
ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °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

PMI CONFIDENTIAL AND PROPRIETARY



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	09/21/16	
	B1	ECN # 16-0163	11/09/16	

MECHANICAL OUTLINE

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>B. Thomas</i>		09/21/16		PRODUCT FEATURE LNA-19-8M12M-3D0-20-12-SFF 8 to 12 MHz Low Noise Amplifier	
CHECKED				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO. 27030901	REV. B1
				SCALE N:S	SHEET 1 OF 1