

## DESCRIPTION

PMI MODEL: LNA-19-560M640M-2D0-0-12-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 560 TO 640 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 19 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 2.0 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 560 TO 640 MHz
- GAIN: ----- 19 dB MINIMUM  
20 dB TYPICAL
- P1dB: ----- 0 dBm MINIMUM
- IP3: ----- 20 dBm MINIMUM
- NOISE FIGURE: ----- 2.0 dB 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.

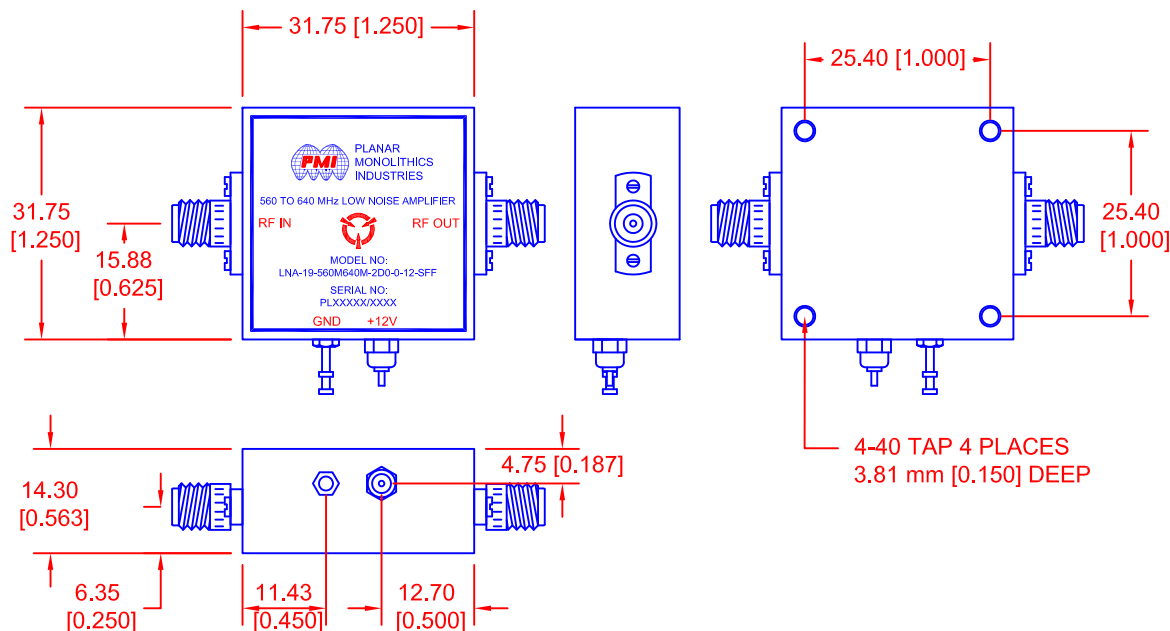
## ENVIRONMENTAL RATINGS

- 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**



## MECHANICAL OUTLINE

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	09/21/16	

**PLANAR MONOLITHICS INDUSTRIES, INC.**  
7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: (301)-662-5019, FAX: (301)-662-1731  
WEB: [www.pmi-rf.com](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>B. Thomas</i>		09/21/16		PRODUCT FEATURE LNA-19-560M640M-2D0-0-12-SFF 560 to 640 MHz Low Noise Amplifier	
CHECKED				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO. 27030841	REV. A1
SCALE N:S				SHEET 1 OF 1	