

## DESCRIPTION

PMI MODEL: LNA-11-520M580M-3D0-30-12-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 520 TO 580 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 11 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 4.0 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 520 TO 580 MHz
- GAIN: ----- 11 dB MINIMUM  
12 dB TYPICAL
- P1dB: ----- 30 dBm MINIMUM
- IP3: ----- 45 dBm MINIMUM
- NOISE FIGURE: ----- 4.0 dB MAXIMUM
- VSWR IN/OUT ----- 2.0:1 MAXIMUM
- DC SUPPLY: ----- +12 VDC @ 400 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.  
MOUNTING SURFACE FREE OF PAINT.

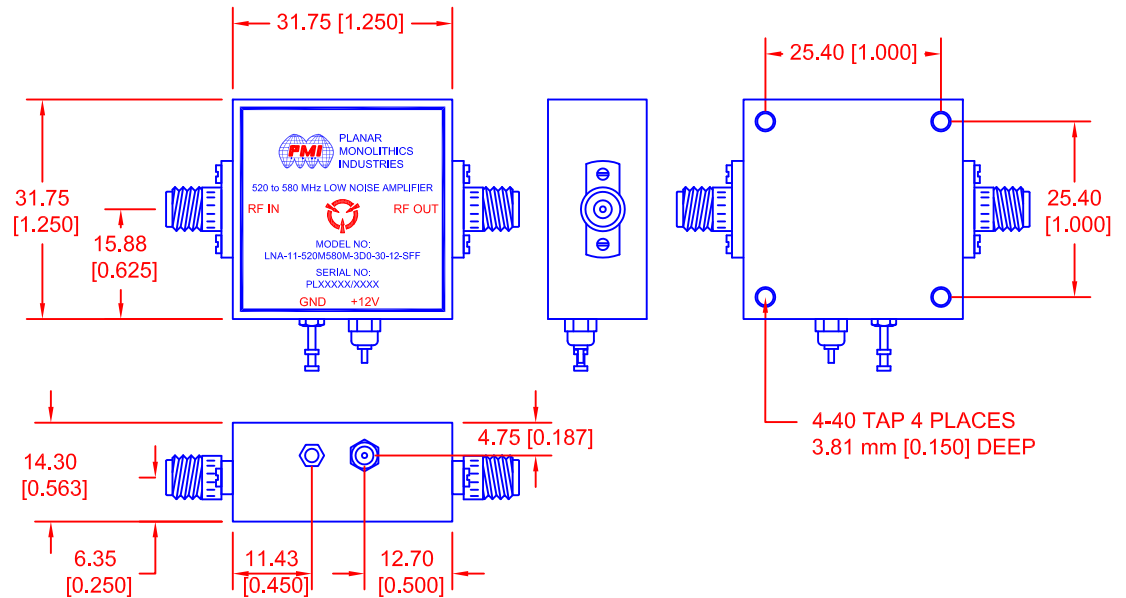
## ENVIRONMENTAL RATINGS

- 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	09/29/16	
	B1	ECN # 16-0163	11/09/16	

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>B. Thomas</i>		09/29/16	PRODUCT FEATURE LNA-11-520M580M-3D0-30-12-SFF 520 to 580 MHz Low Noise Amplifier		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27030881
ISSUED			REV. B1	SHEET 1 OF 1	