

DESCRIPTION

PMI MODEL: LNA-7D8G12D2G-21-15-15-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 7.8 TO 12.2 GHz FREQUENCY RANGE. THIS AMPLIFIER OFFERS A MINIMUM SIGNAL GAIN OF 21 dB LIMITING NOISE TO A MAXIMUM OF 4 dB. THE HOUSING IS OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 7.8 TO 12.2 GHz
- SMALL SIGNAL GAIN: ----- 21 dB MIN
23 dB MAX
- GAIN FLATNESS vs FREQUENCY: ----- ± 1 dB MAX
- GAIN VARIATION OVER TEMPERATURE: - ± 1 dB MAX
- NOISE FIGURE: ----- 4 dB MAX
- P1dB: ----- 15 dBm MIN
- IP3: ----- +24 dBm MIN
- VSWR (INPUT/OUTPUT): ----- 2.0:1 MAX
- MAXIMUM INPUT POWER: ----- +20 dBm CW MAX
- POWER SUPPLY: ----- +15 VDC @ 175 mA MAX
- CONNECTORS: ----- +V: SOLDER TERMINAL
RF: SMA FEMALE
- SIZE (EXCLUDING CONNECTORS): ----- 40.6mm x 25.4mm x 9.7mm
1.60" x 1.00" x 0.38"
- FINISH: ----- PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- 0 °C TO +50 °C (OPERATING)
- 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 CYCLING: ----- MIL-STD-202, METHOD 107A COND. A

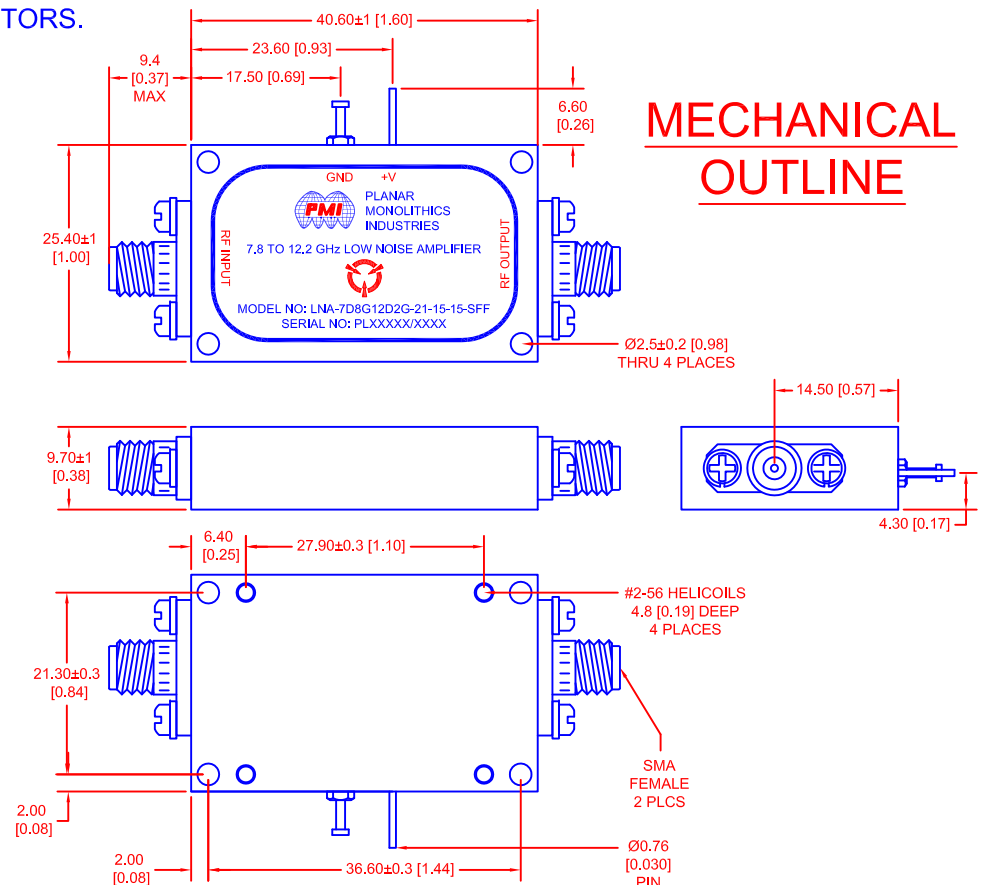
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
HAVE A TOLERANCE
OF ± 0.5 mm [0.020"]

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/11/17	



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		M. Berry		08/11/17	
CHECKED					
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	

PRODUCT FEATURE
LNA-7D8G12D2G-21-15-15-SFF
7.8 to 12.2 GHz Low Noise Amplifier