DESCRIPTION

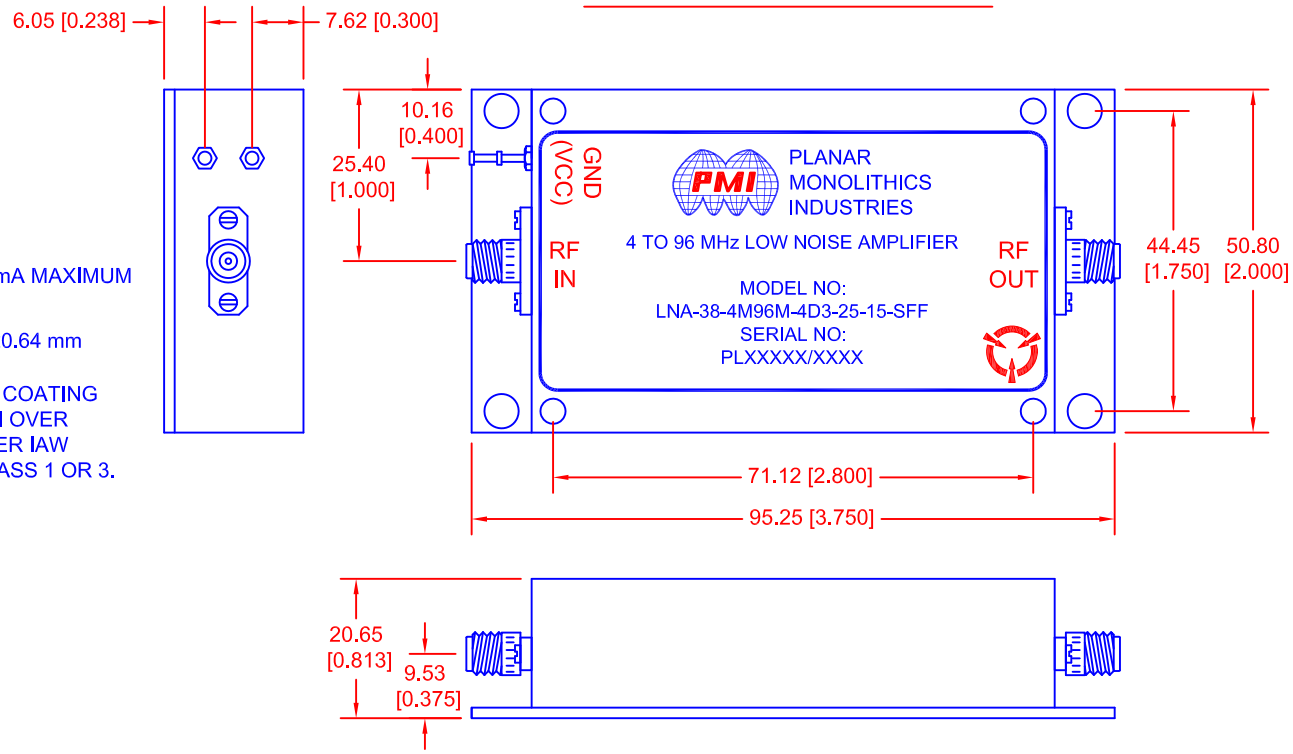
PMI MODEL: LNA-38-4M96M-4D3-25-15-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 4 TO 96 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 38 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 4.3 dB. THIS COMPACT MODEL IS OUTFITTED WITH FEMALE SMA CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/13/16	

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 EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

MECHANICAL OUTLINE



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

ALL DIMENSIONS ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN M. Berry	12/13/16
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	PRELIMINARY	-

SCALE N:S SHEET 1 OF 1