

DESCRIPTION

PMI MODEL NO. LNA-40-10M8G-12-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 10 MHz TO 8.0 GHz. IT HAS A TYPICAL GAIN OF 40 dB AND A TYPICAL P1dB OF +20 dBm. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 10 MHz TO 8.0 GHz
- GAIN: 42 dB TYP @ 10 MHz
41 dB TYP @ 4.0 GHz
40 dB TYP @ 8.0 GHz
- GAIN FLATNESS: ± 1.5 dB TYP
- P1dB: +20 dBm TYP
- IP3: +30 dBm TYP
- NOISE FIGURE @ 4.0 GHz: 2.0 dB TYP, 2.5 dB MAX
- REVERSE ISOLATION @ 4.0 GHz: -50 dB TYP
- VSWR INPUT/OUTPUT: 1.8:1/2.5:1 TYP
- DC POWER SUPPLY VOLTAGE: +9 V MIN, +12 V TYP, +15 V MAX
- DC POWER SUPPLY CURRENT: 160 mA TYP
- SIZE: 1.00" x 0.90" x 0.45"
- WEIGHT: 17 g

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °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

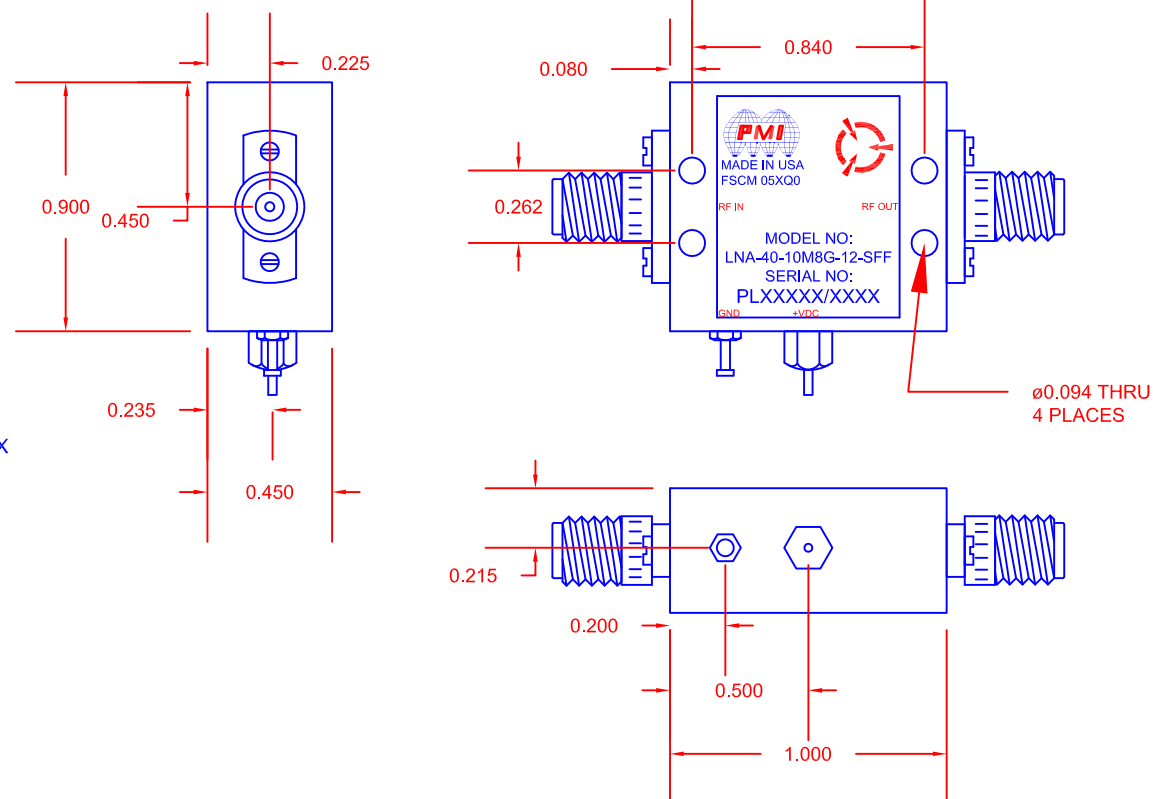
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/28/2018	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		11/28/18		PRODUCT FEATURE	
REDRAWN				LNA-40-10M8G-12-SFF	
ISSUED				PRELIMINARY	
SIZE	A	FSCM NO.	05XQ0	DWG NO.	
SCALE	N:S			SHEET	1 OF 1