

DESCRIPTION

PMI MODEL NO. LNA-40-0R4G6G-12-SFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.4 TO 6.0 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: ----- 0.4 TO 6.0 GHz
- GAIN: ----- 40.5 dB TYP @ 400 MHz
40.0 dB TYP @ 3.0 GHz
42.5 dB TYP @ 6.0 GHz
- GAIN FLATNESS: ----- ±1.0 dB TYP
- P1dB: ----- +20 dBm TYP
- IP3: ----- +30 dBm TYP
- NOISE FIGURE @ 3.0 GHz: ----- 2.0 dB TYP, 2.5 dB MAX
- REVERSE ISOLATION @ 3.0 GHz: ----- -50 dB TYP
- VSWR INPUT/OUTPUT: ----- 1.8:1/2.0:1 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

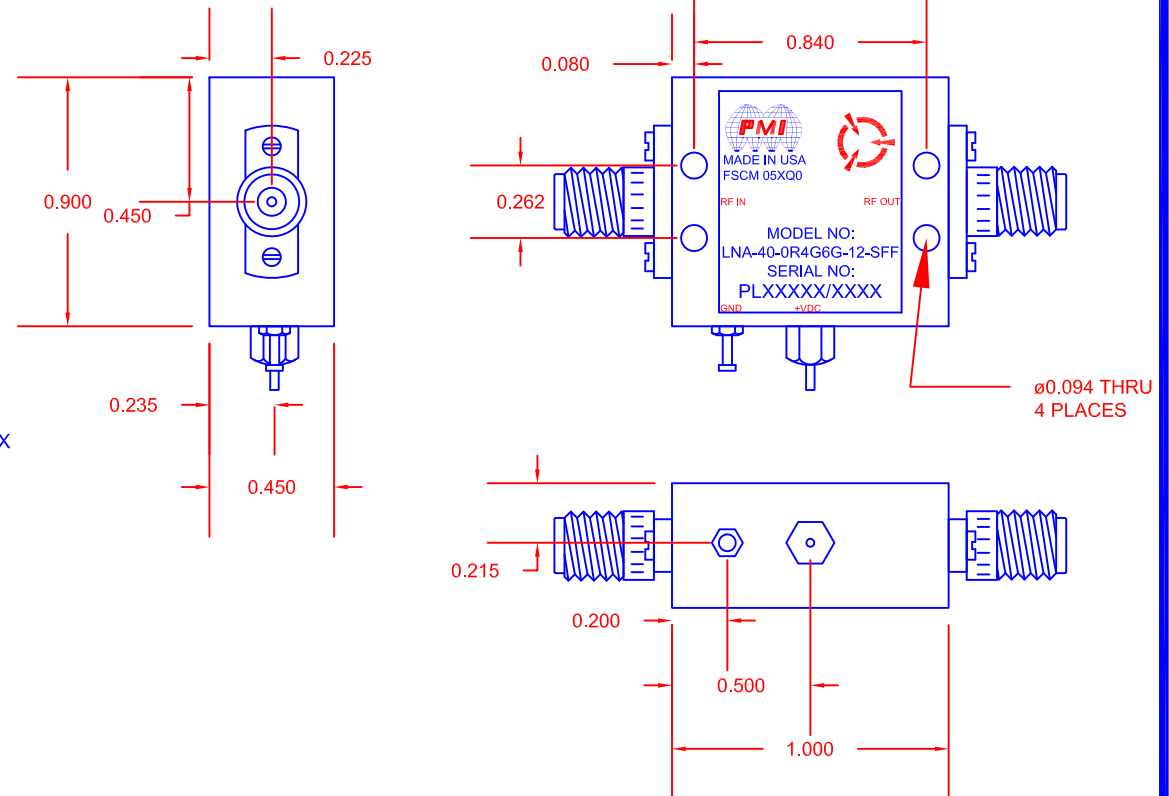
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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			REV.
DRAWN <i>EW</i>		11/28/18	PRODUCT FEATURE LNA-40-0R4G6G-12-SFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		