

DESCRIPTION

PMI MODEL LNA-40-0R18-NFF IS A LOW NOISE AMPLIFIER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.1 TO 8.0 GHZ. IT HAS A TYPICAL GAIN OF 40 dB AND A MAXIMUM NOISE FIGURE OF 2.5 dB (ABOVE 300 MHz). THIS MODEL IS OUTFITTED WITH N FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.1 TO 8.0 GHz
- GAIN: ----- 38 dB MIN, 40 dB TYP, 44 dB MAX (ABOVE 100 MHz)
- GAIN FLATNESS: ----- ±2 dB MAX (ABOVE 100 MHz)
- NOISE FIGURE: ----- 2.5 dB MAX (ABOVE 300 MHz)
- P1dB: ----- +20 dBm MIN
- MAX INPUT POWER: ----- +5 dBm MAX
- INPUT VSWR: ----- 2.5:1 MAX
- OUTPUT VSWR: ----- 2.5:1 MAX
- OPERATING VOLTAGE: ----- 15 VDC
- OPERATING CURRENT: ----- 325 mA
- CONNECTORS: ----- N FEMALE
- FINISH: ----- PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -20 °C TO +55 °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

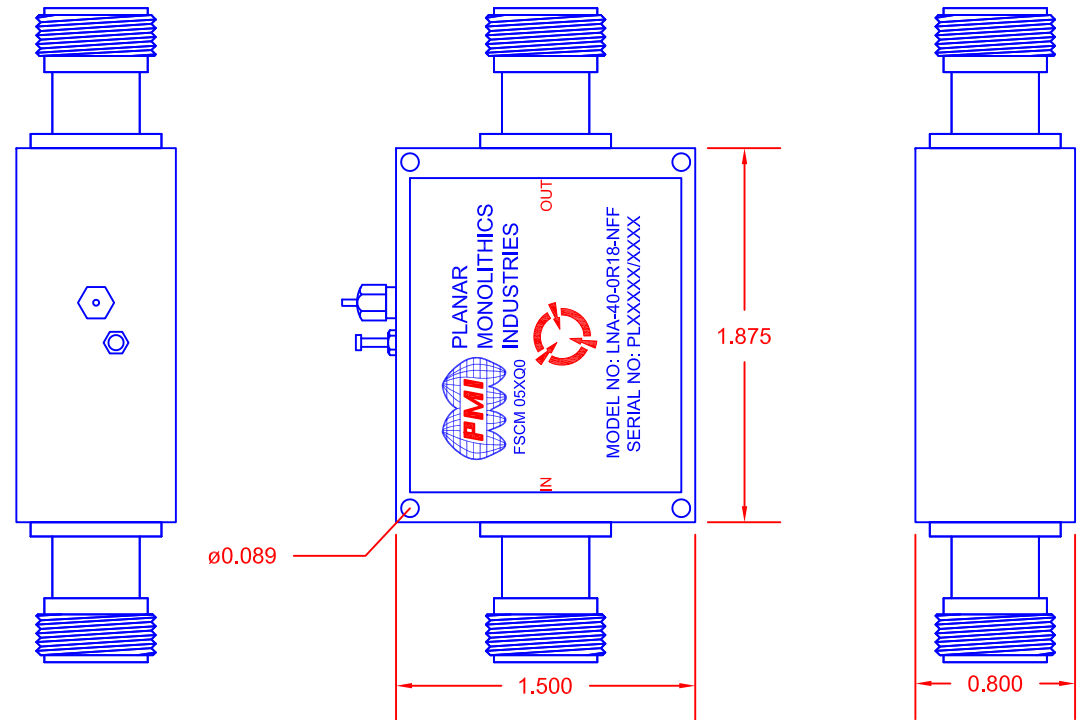
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	5/17/2019	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		5/17/19	PRODUCT FEATURE LNA-40-0R18-NFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S		SHEET 1 OF 1	