

DESCRIPTION

PMI MODEL: LNA-40-10M300M-1D0-17-5-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE 10 TO 300 MHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 40 dB WHILE MAINTAINING A MAXIMUM NOISE FIGURE OF 1 dB. THIS COMPACT MODEL IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 10 TO 300 MHz
- GAIN: ----- 40 dB
- OP1dB: ----- +17 dBm
- IP3: ----- +31 dBm
- MAX INPUT POWER: ----- 0 dBm
- NOISE FIGURE: ----- 2.0 dB MAXIMUM @ 10 MHz to 35 MHz
1 dB @ 35 MHz to 300 MHz
- SUPPLY VOLTAGE: ----- +5 V (+5.5 V MAX)
- CURRENT: ----- 170 mA @ QUIESCENT (NO RF)
240 mA @ OP1dB = +25 dBm
- CONNECTOR: ----- SMA

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
-55 °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

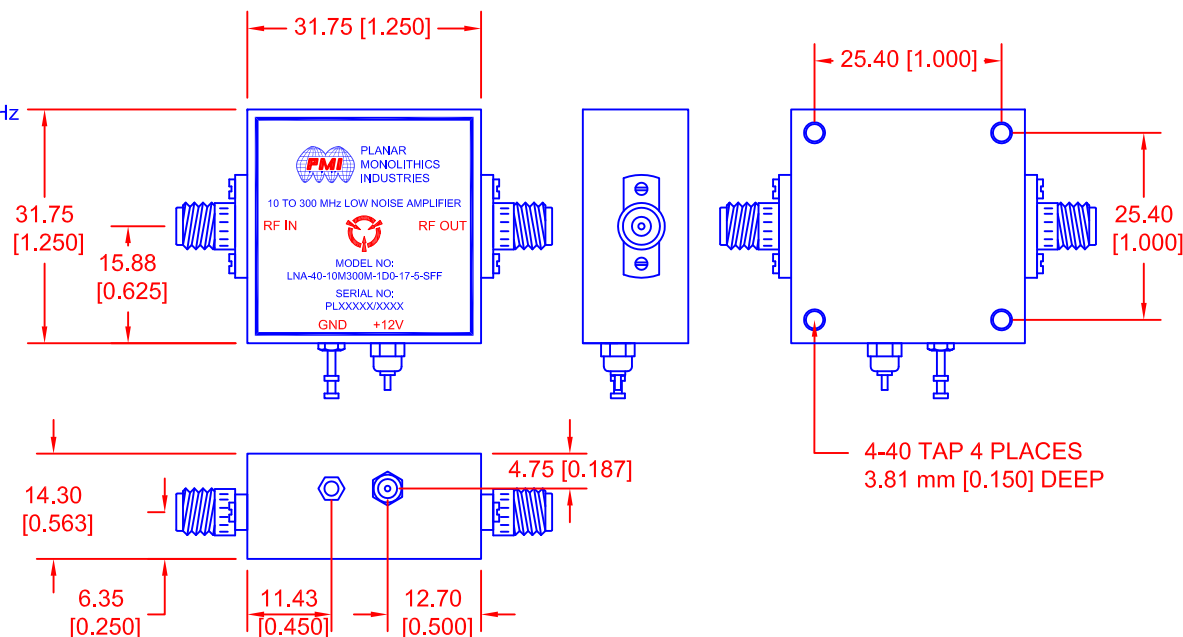
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/1/18	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>B. Thomas</i>		09/21/18		PRODUCT FEATURE LNA-40-10M300M-1D0-17-5-SFF 10 to 300 MHz Low Noise Amplifier	
CHECKED <i>EW</i>		9/1/18		SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO.	PRELIMINARY
				SCALE N:S	SHEET 1 OF 1