REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	8-15-17	JM

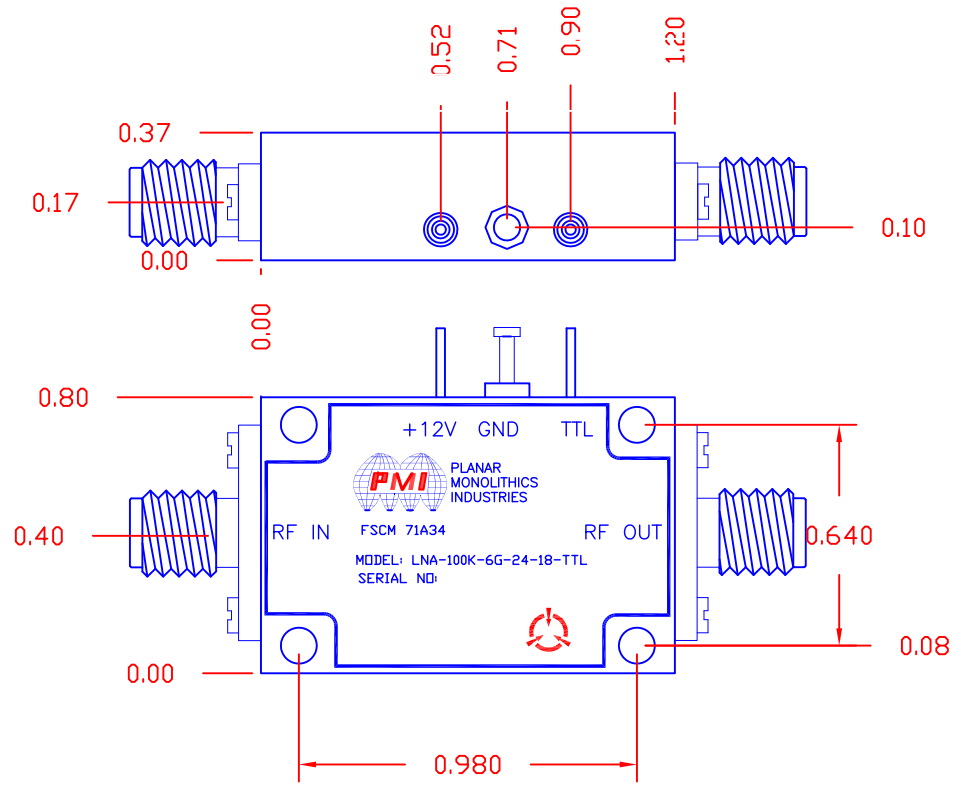
DESCRIPTION

PMI MODEL: LNA-100K-6G-24-18-TTL IS A LOW NOISE AMPLIFIER THAT OPERATES FROM 100KHz TO 6.0GHz, AND HAS A TTL OUTPUT TO INDICATE WHEN THE AMPLIFIER IS IN SATURATION.

SPECIFICATIONS

- FREQUENCY RANGE: 100KHz TO 6GHz
- GAIN: 24 dB NOMINAL
- GAIN FLATNESS: 2 dB P-P NOMINAL
- NOISE FIGURE: 5 dB MAX
- PSAT: 18 dBm NOMINAL
- VSWR INPUT / OUTPUT: 2.0:1 MAX
- DC VOLTAGE SUPPLY: +12 TO +15Vdc
- DC CURRENT: 150mA NOMINAL
- TTL OUTPUT: LOGIC 1 WHEN RF OUTPUT IS IN SATURATION

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -20 °C TO +70 °C (OPERATING)
  -65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, 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 INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN JM	8-15-17
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE LNA-100K-6G-24-18-TTL

SIZE	FSCM NO.	DWG NO.	REV.
A	71A34	PRELIMINARY	1
SCALE N:S		SHEET 1 OF 1	