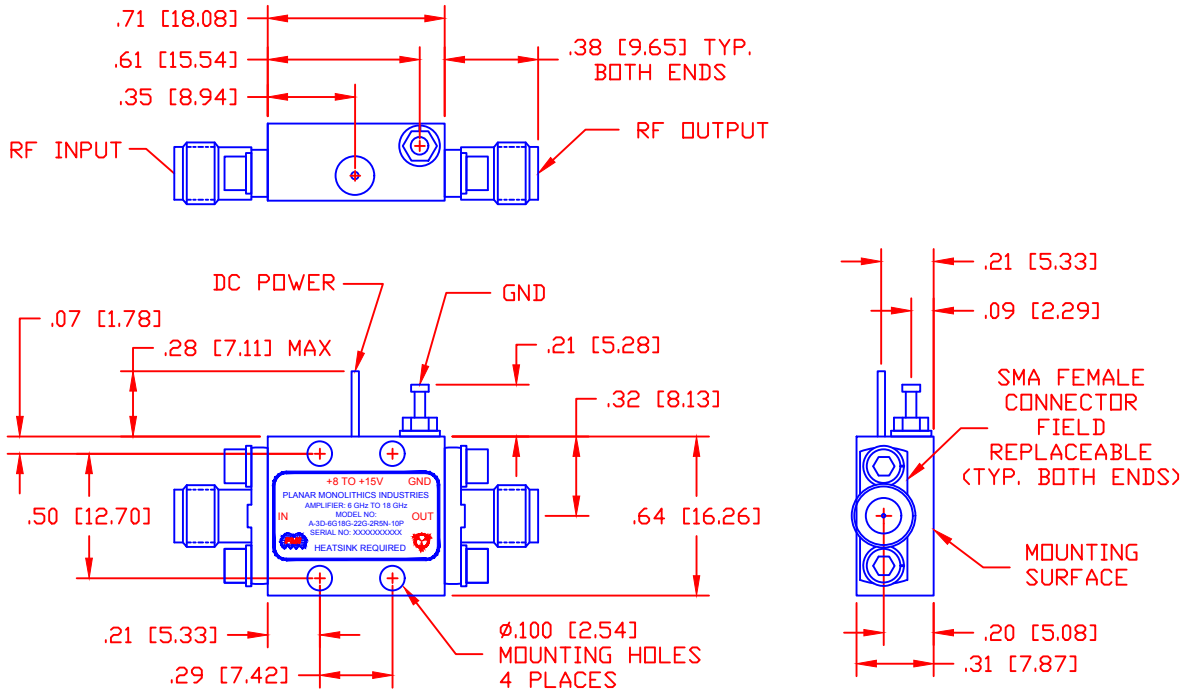
DESCRIPTION

PMI MODEL: A-3D-6G18G-22G-2R5N-10P is a wide bandwidth 50-ohm matched amplifier in a compact housing with 4 mounting holes to improve contact for heat transfer between chassis and heatsink. The amplifier is designed for military and industrial applications.

Features:
- Unconditionally stable under all terminations, open to short
- Unconditionally stable over temperature
- Integrated input/output blocking capacitors
- Single positive power supply
- Internal DC regulated voltage
- Internal reverse polarity protection
- Field replaceable SMA connectors

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	6/15/2016	6/15/2016

MECHANICAL OUTLINE



SPECIFICATIONS AT +25° C

- FREQUENCY RANGE: ---------- 6 GHz TO 18 GHz
- GAIN: ---------- 22 dB MIN.
- GAIN FLATNESS: ---------- ±1.0 dB MAX.
- NOISE FIGURE: ---------- 2.5 dB MAX.
- VSWR IN: ---------- 2.0:1 MAX.
- VSWR OUT: ---------- 2.0:1 MAX.
- P1DB OUT: ---------- 10 dBm MIN.
- IP3: ---------- 19 dBm MIN.
- DC POWER SUPPLY: ---------- +8 TO + 15 V @ 100 mA NOM.
- CONNECTORS (IN/OUT): ---------- SMA FEMALE
- FINISH: ---------- GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: ---------- -40 °C TO +75 °C (OPERATING)
  -65 °C TO +125 °C (STORAGE)

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES (mm)
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN CJB	07/12/16
CHECKED HAJ SAY	06/22/16
ISSUED	

TITLE: PRODUCT FEATURE
AMPLIFIER: 6 GHz TO 18 GHz
A-3D-6G18G-22G-2R5N-10P

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	-

SCALE N:S SHEET 1 OF 1