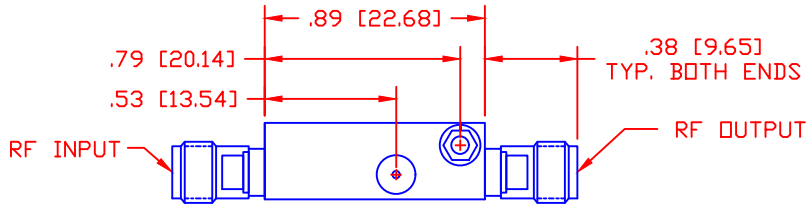
DESCRIPTION

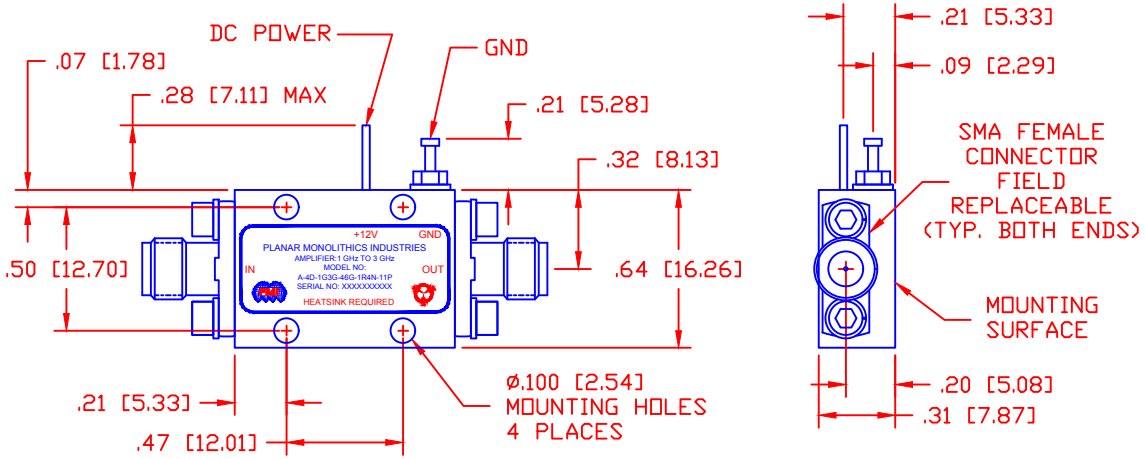
PMI MODEL: A-4D-1G3G-46G-1R4N-11P is an ultra-wide bandwidth 50-ohm matched distributed amplifier in a compact housing with 4 mounting holes to improve contact for heat transfer between chassis and heatsink.

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	7/18/2016	HAI SAY

MECHANICAL OUTLINE





SPECIFICATIONS AT +25° C UNLESS OTHERWISE SPECIFIED

- FREQUENCY RANGE: ---------- 1.0 GHz TO 3.0 GHz
- GAIN: ---------- 46 dB MIN.
- GAIN FLATNESS: ---------- ±1.0 dB MAX.
- NOISE FIGURE: ---------- 1.4 dB MAX.
- P1DB OUT: ---------- 11 dBm MIN.
- VSWR IN: ---------- 2.0 : 1 MAX.
- VSWR OUT: ---------- 2.0 : 1 MAX.
- DC POWER SUPPLY: ---------- +12V @ 150 mA NOM.
- OPERATING TEMPERATURE: ---------- +5° C TO +60° C
- CONNECTORS (IN/OUT): ---------- SMA FEMALE
- FINISH: ---------- GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: ---------- -25 °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 (INCHES):
X.XX ±0.010
X.XXX ±0.005

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN HAI SAY	07/18/16
CHECKED HAI SAY	07/18/16
ISSUED	

TITLE: PRODUCT FEATURE
AMPLIFIER 1 GHz TO 3 GHz
A-4D-1G3G-46G-1R4N-11P

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

SCALE N:S SHEET 1 OF 1