DESCRIPTION

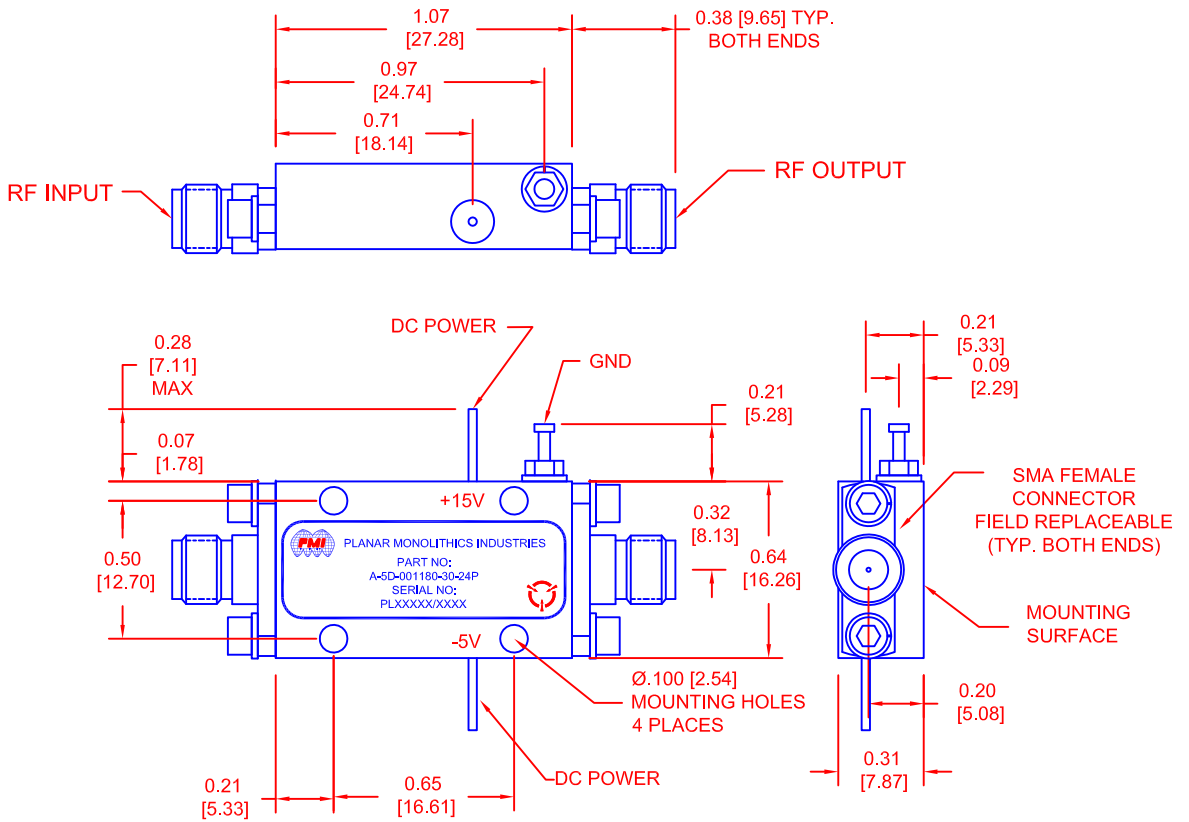
PMI MODEL: A-5D-001180-30-24P IS AN A-SERIES AMPLIFIER OPERATING OVER THE 100 MHz TO 18.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS A TYPICAL GAIN OF 35.0 dB WITH A GAIN FLATNESS OF ±2.0 dB MAXIMUM. ADDITIONALLY, THIS MODEL OFFERS A P1dB OF 24 dBm MINIMUM AND A MAXIMUM NOISE FIGURE OF 3.0 dB IN THE SMALL D2-5B PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	04/06/16	

SPECIFICATIONS

- FREQUENCY RANGE: ---------- 100 MHz TO 18.0 GHz
- GAIN: ---------- 35 dB TYPICAL
40 dB MAXIMUM
- GAIN FLATNESS: ---------- ±2.0 dB MAXIMUM
- NOISE FIGURE: ---------- 3.0 dB MAXIMUM
- VSWR: ---------- 2.0:1 TYPICAL
- P1dB: ---------- +27 dBm TYPICAL
+24 dBm MINIMUM
- INPUT POWER: ---------- +10 dBm CW MAXIMUM
- POWER SUPPLY: ---------- +15 V @ 650 mA
-5 V @ 50 mA
- CONNECTORS: ---------- SMA FEMALE
- SIZE: ---------- 1.07" x 0.64" x 0.31"
27.28 mm x 16.26 mm x 7.87 mm
- FINISH: ---------- GOLD PLATED

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: ---------- -20 °C TO +55 °C (OPERATING)

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 M. Berry	04/06/16
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
A-5D-001180-30-24P

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

SCALE N:S SHEET 1 OF 1