

DESCRIPTION

PMI MODEL: A-6D-010260-38-10P IS AN A-SERIES AMPLIFIER OPERATING OVER THE 1.0 GHz TO 26.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 28.0 dB WITH A GAIN FLATNESS OF ± 2.0 dB MAXIMUM. ADDITIONALLY, THIS MODEL OFFERS A P1dB OF 10 dBm MINIMUM AND A MAXIMUM NOISE FIGURE OF 3.8 dB IN THE SMALL D2-5A PACKAGE OUTFITTED WITH FIELD REPLACEABLE 2.92 mm (F) CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 1.0 TO 26.0 GHz
- GAIN: 28.0 TO 36.0 dB MINIMUM
- GAIN FLATNESS: ± 2.0 dB MAXIMUM
- NOISE FIGURE: 3.8 dB MAXIMUM
- VSWR: 2.5:1 MAXIMUM (INPUT)
2.5:1 MAXIMUM (OUTPUT)
- P1dB: 10 dBm MINIMUM
- POWER SUPPLY: 15 V @ 200 mA NOMINAL
- CONNECTORS: 2.92 mm FEMALE
- SIZE: 1.07" x 0.64" x 0.31"
27.28 mm x 16.26 mm x 7.87 mm
- FINISH: GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: -50 °C TO +85 °C (OPERATING)
-65 °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

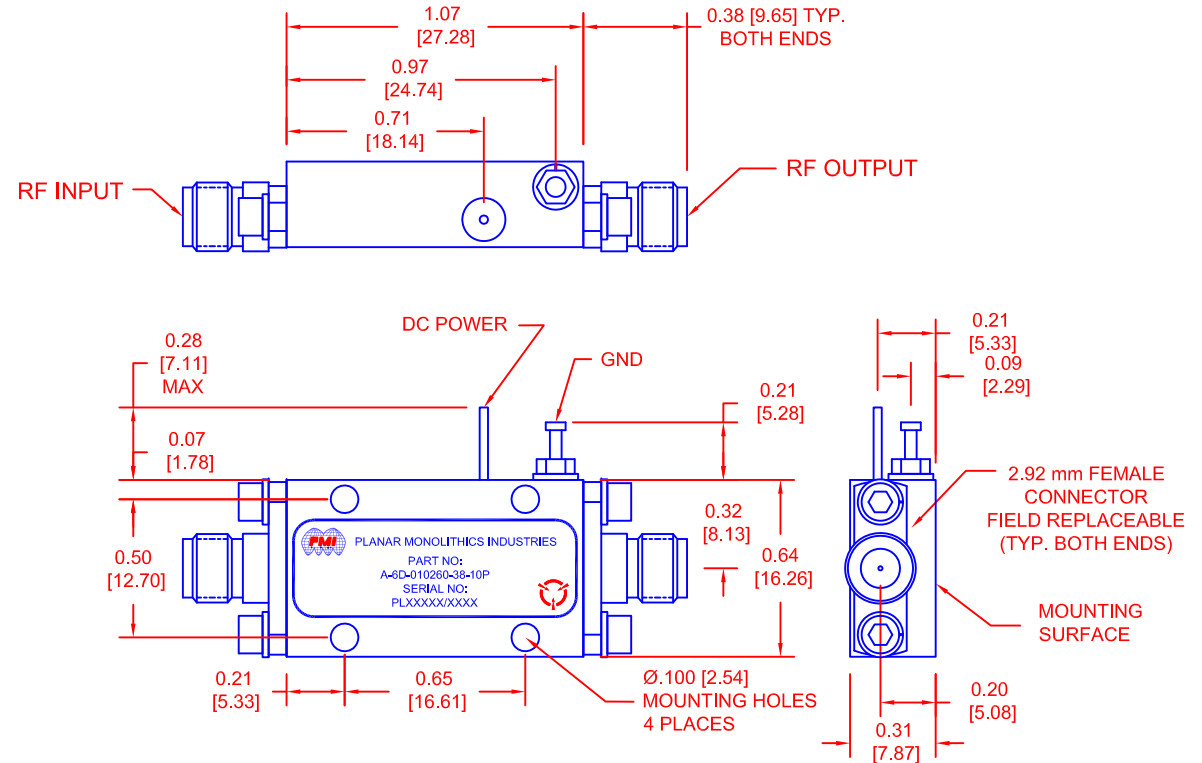
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/29/16	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		09/29/16	PRODUCT FEATURE A-6D-010260-38-10P		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET	1 OF 1