

DESCRIPTION

PMI MODEL: A-2D-005065-38-18P IS AN A-SERIES AMPLIFIER OPERATING OVER THE 0.5 TO 6.5 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM GAIN OF 24.0 dB WITH A GAIN FLATNESS OF ± 1.5 dB MAXIMUM. ADDITIONALLY, THIS MODEL OFFERS A P1dB OF 18 dBm MINIMUM AND A MAXIMUM NOISE FIGURE OF 3.8 dB IN THE SMALL D3-2A PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 6.5 GHz
- GAIN: 24.0 dB MINIMUM
- GAIN FLATNESS: ± 1.5 dB MAXIMUM
- NOISE FIGURE: 3.8 dB MAXIMUM
- VSWR: 2.0:1 MAXIMUM
- P1dB: 18 dBm MINIMUM
- INPUT POWER: 13 dBm MAXIMUM (NO DAMAGE)
- POWER SUPPLY: +12 V @ 180 mA TYPICAL
- CONNECTORS: SMA FEMALE
- SIZE: 0.56" x 0.70" x 0.31"
14.22 mm x 17.78 mm x 7.87 mm
- FINISH: GOLD PLATED

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °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

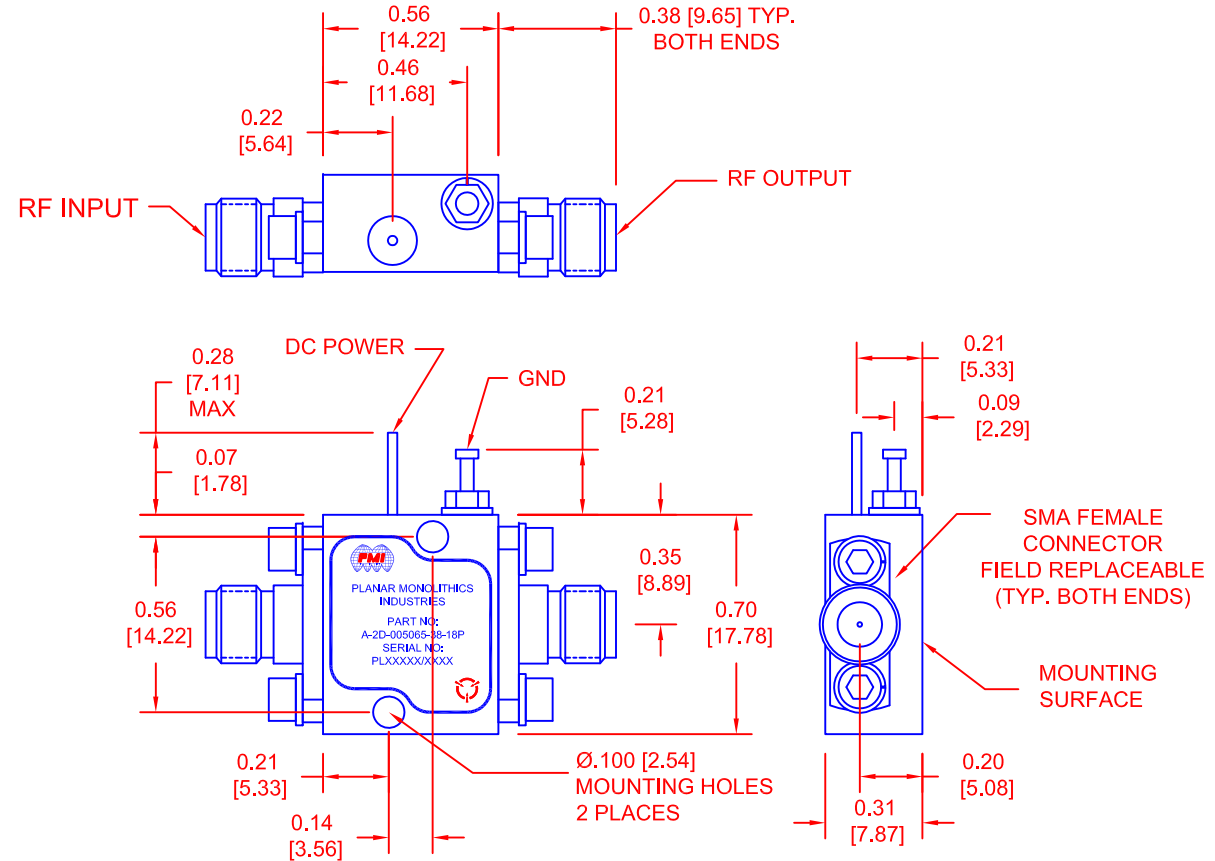
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	04/06/16	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		04/06/16	PRODUCT FEATURE A-2D-005065-38-18P		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET	1 OF 1