

DESCRIPTION

PMI MODEL: A-3D-100M18G-18G-7N-20P 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

SPECIFICATIONS

- FREQUENCY RANGE: ----- 100 MHz TO 18 GHz
- GAIN: ----- 18 dB MIN.
- GAIN FLATNESS: ----- ± 2 dB MAX.
- NOISE FIGURE: ----- 7 dB MAX.
- VSWR IN: ----- 2.0:1 MAX.
- VSWR OUT: ----- 2.3:1 MAX.
- P1DB OUT: ----- 20 dBm MIN.
- DC POWER SUPPLY: ----- +15 V @ 200 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

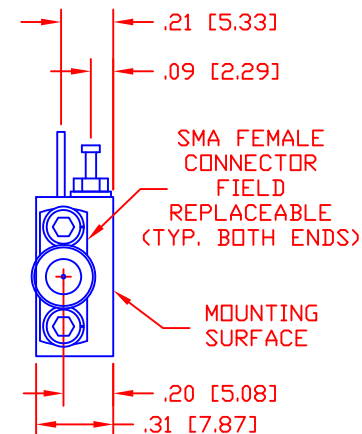
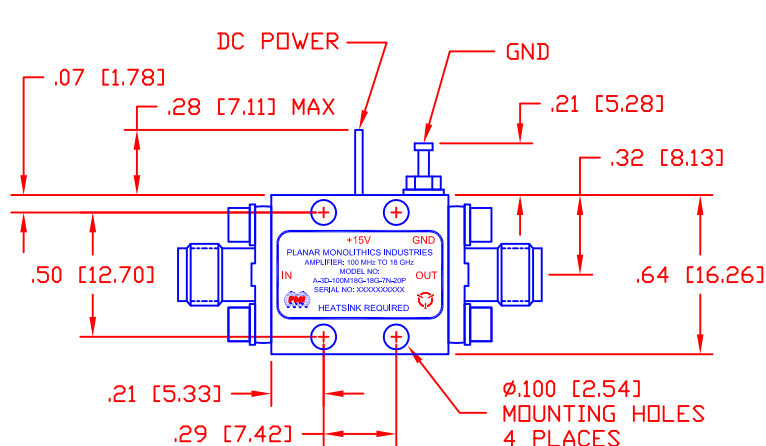
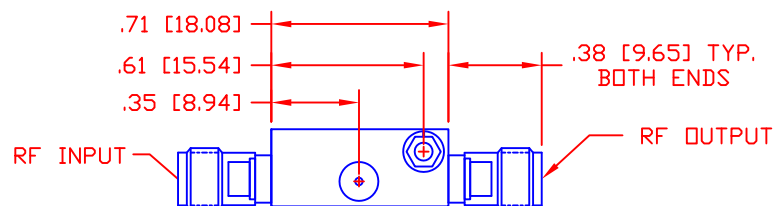
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	6/15/2016	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			REV.
DRAWN	<i>EJB</i>	06/22/16	PRODUCT FEATURE			-
CHECKED	<i>HAF JAY</i>	06/22/16	AMPLIFIER: 100 MHz TO 18 GHz			
ISSUED			A-3D-100M18G-18G-7N-20P			
SIZE	FSCM NO.	DWG NO.	PRELIMINARY			
A	05XQ0					
SCALE N:S		SHEET		1 OF 1		