

DESCRIPTION

PMI MODEL: A-6D-100M20G-36G-3N-10P is an ultra-wide bandwidth 50-ohm matched low noise distributed amplifier.

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 AT +23 °C

- FREQUENCY RANGE: ----- 100 MHz TO 20 GHz
- GAIN: ----- 36 dB MIN.
- GAIN FLATNESS: ----- ±2 dB MAX.
- NOISE FIGURE: ----- 3.0 dB MAX.
(GAURANTEED FROM 0.2~20 GHZ)
- VSWR IN: ----- 2.0:1 MAX.
(DC-COUPLED)
- VSWR IN: ----- 2.5:1 MAX.
(AC-COUPLED)
- VSWR OUT: ----- 2.0:1 MAX.
- P1DB OUT: ----- 10 dBm MIN.
- OUTPUT IP3: ----- 20 dBm TYP.
- DC POWER SUPPLY: ----- +15 V @ 180 mA NOM.
- CONNECTORS (IN/OUT): ----- SMA FEMALE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -54 °C TO +70 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

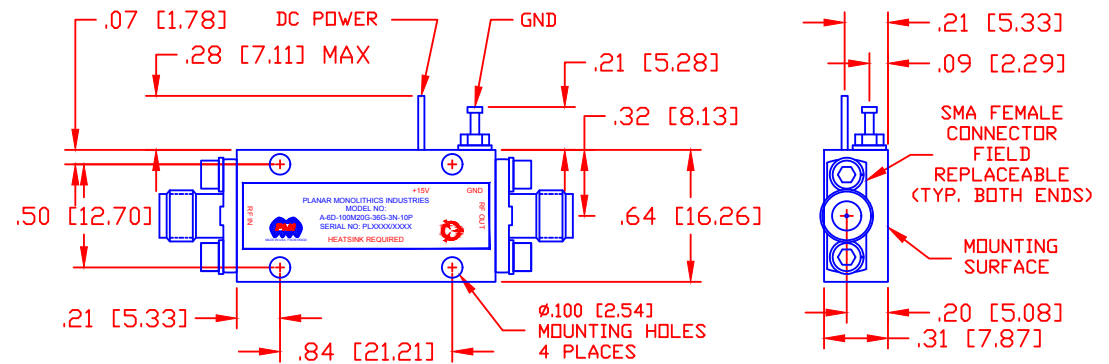
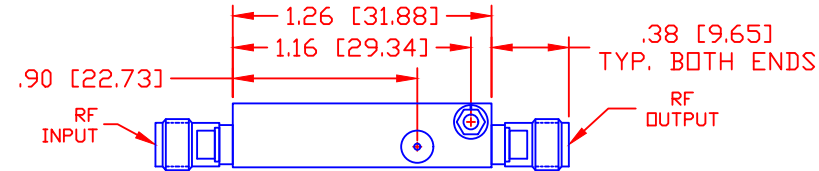
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	12/18/2016	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE				REV.
DRAWN	<i>HAF LAY</i>	12/18/16	PRODUCT FEATURE AMPLIFIER 100 MHz TO 20 GHz A-6D-100M20G-36G-3N-10P				-
CHECKED	<i>HAF LAY</i>	12/18/16	SIZE	FSCM NO.	DWG NO.	PRELIMINARY	
ISSUED			A	05XQ0			
			SCALE	N:S	SHEET		1 OF 1