

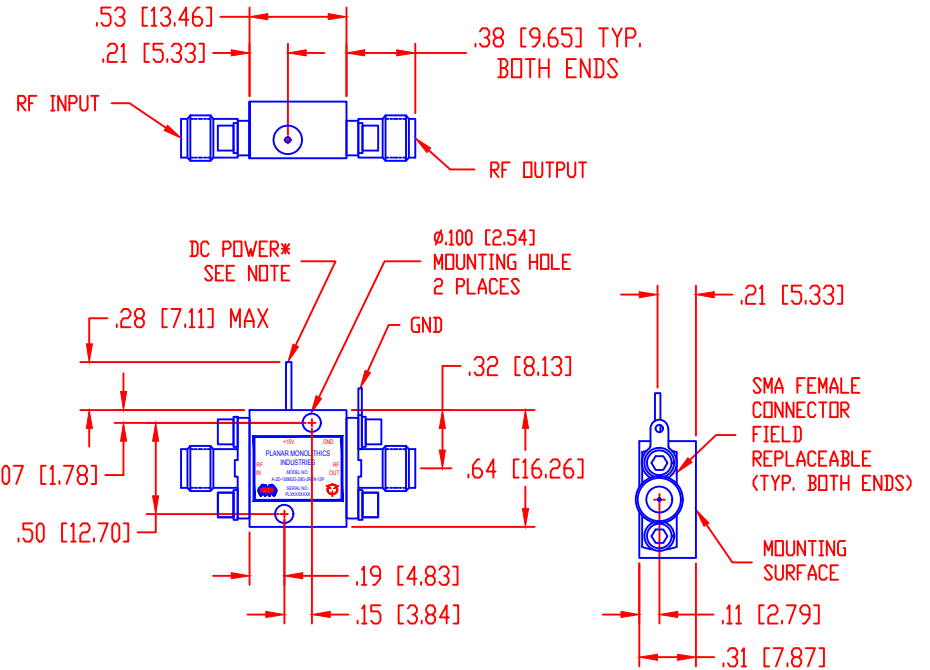
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/12/17	HAS JAY

DESCRIPTION:

PMI Model A-2D-100M2G-28G-2R2N-13P is a low noise amplifier in a small package. It is unconditionally stable over operating temperature. The amplifier is DC voltage regulated and reverse voltage polarity protected internally.

SPECIFICATIONS AT +23 °C UNLESS OTHERWISE INDICATED:

- Frequency Range: 100 MHz to 2.0 GHz
- Gain: 28 dB Min.
- Gain Variation vs Frequency : ±1.0 dB Max.
- Noise Figure: 2.2 dB Max.
- P1dB +13 dBm Min.
- VSWR In: 2.0 : 1 max.
- VSWR Out: 2.0 : 1 max.
- DC Power Supply: +15 VDC @ 100 mA Typical
- RF Connectors (In/Out): SMA female, field replaceable



ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -55°C TO + 85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- **HUMIDITY:** MIL-STD-202F, METHOD 103B COND. B
- **SHOCK:** MIL-STD-202F, METHOD 213B COND. B
- **VIBRATION:** MIL-STD-202F, METHOD 204D COND. B
- **ALTITUDE:** MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** MIL-STD-202F, METHOD 107D COND. A

NOTES: 1: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
2: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

MECHANICAL OUTLINE

PLANAR MONOLITHICS INDUSTRIES, INC.
 7311-F GROVE ROAD
 FREDERICK, MARYLAND 21704 USA
 TEL: 301-662-5019 FAX: 301-662-1731
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com
 ISO 9001:2008 CERTIFIED



UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:

X.XX ±0.01
 X.XXX ±0.005

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE	
DRAWN HAS JAY		05.12.17	PRODUCT FEATURE	
CHECKED			A-2D-100M2G-28G-2R2N-13P	
ISSUED	SIZE	FSCM NO.	DWG NO.	REV.
	A	05XQ0	-	A1
	SCALE	N:S	SHEET	1 OF 1