

DESCRIPTION

PMI MODEL: A-5R8G9R0G-33G-1R0N-10P is a medium bandwidth 50-ohm matched low noise amplifier in a compact housing.

Features:

- Unconditionally stable under all terminations, open to short
- Unconditionally stable over temperature
- Single positive power supply
- Internal DC regulated voltage
- Internal reverse polarity protection
- Field replaceable SMA connectors

SPECIFICATIONS FROM +23 °C

- Frequency Range: ----- 5.8 to 9.0 GHz
- Gain: ----- 33.0 dB min.
- Gain Flatness: ----- ±1.0 dB max.
- Noise Figure: ----- 1.0 dB max.
- P1dB OUT: ----- +10 dBm min.
- VSWR In: ----- 2.0:1 max. (Input DC Coupled)
- VSWR In: ----- 2.5:1 max. (Input AC Coupled)
- VSWR Out: ----- 1.8:1 max.
- DC Power Supply: ----- +15VDC @ 70 mA max.
- Connector In: ----- SMA female, field replaceable
- Connector Out: ----- SMA female, field replaceable
- Finish: ----- Gold plated

ENVIRONMENTAL RATINGS

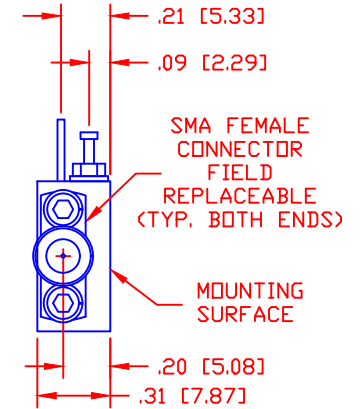
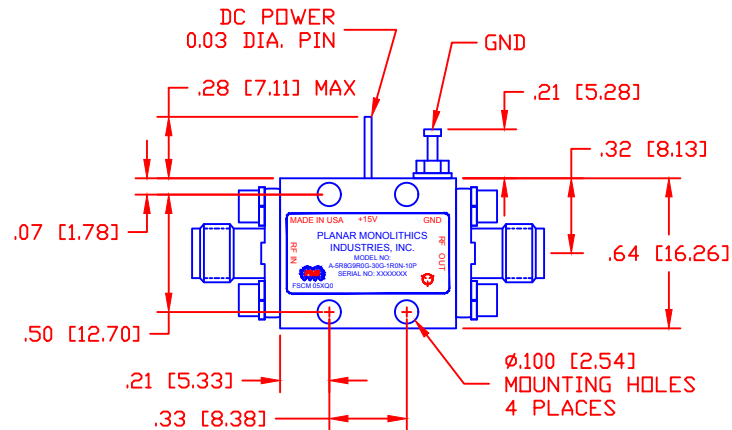
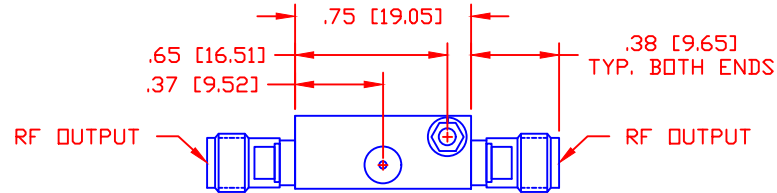
- Temperature: ----- -54 °C TO +85 °C (Operating)
-40 °C TO +100 °C (Storage)
- Humidity: ----- 95% RH at +45 °C

NOTE: SPECIFICATIONS VARY OVER OPERATING TEMPERATURE
NOTE: SPECIFICATIONS SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	LOW NOISE AMPLIFIER	10/17/2017	<i>HAJ SLY</i>

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>HAJ SLY</i>		10/17/17	PRODUCT FEATURE: LOW NOISE AMPLIFIER			
CHECKED <i>HAJ SLY</i>		10/17/17	MODEL NO.: A-5R8G9R0G-33G-1R0N-10P			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	-	-
			SCALE	N:S	SHEET	1 OF 1