

## DESCRIPTION

PMI MODEL: A-14R5G15R5G-30G-1R5N-19P is a narrow bandwidth 50-ohm matched Ku-band 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: ----- 14.5 GHz to 15.5 GHz
- Gain: ----- 30.0 dB min.
- Gain Flatness: ----- ±0.75 dB max.
- Noise Figure: ----- 1.5 dB max.
- P1dB OUT: ----- +19 dBm min.
- Third Order Intercept: ----- +27 dBm min.
- VSWR In / Out: ----- 1.5:1 max.
- DC Power Supply: ----- +15VDC @ 175 mA max.
- Connector In: ----- SMA male
- Connector Out: ----- SMA female
- Finish: ----- Gold plated

### ENVIRONMENTAL RATINGS

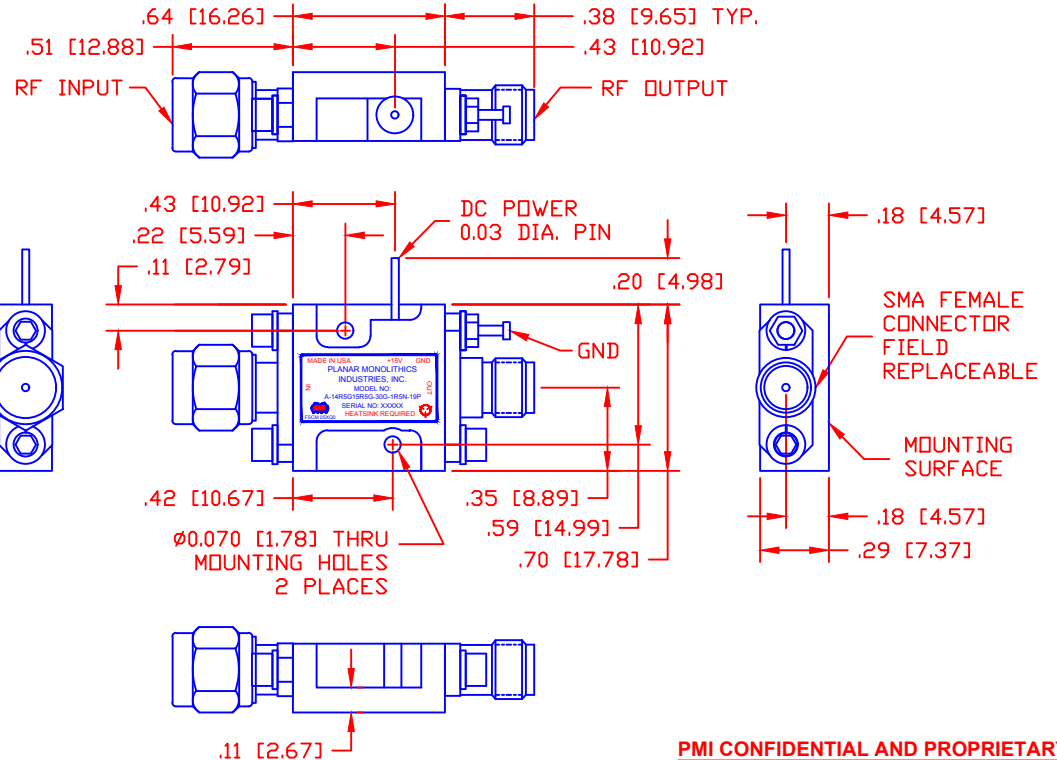
- Temperature: ----- -54 °C TO +85 °C (Operating)  
-40 °C TO +100 °C (Storage)
- Humidity: ----- 95% RH at +45 °C

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	KU - BAND LOW NOISE AMPLIFIER	9/8/2017	<i>HAS JAY</i>

## MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN	<i>HAS JAY</i>	09/08/17	PRODUCT FEATURE: KU-BAND LOW NOISE AMPLIFIER MODEL NO.: A-14R5G15R5G-30G-1R5N-19P			
CHECKED	<i>HAS JAY</i>	09/08/17	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	-	-
			SCALE	N:S	SHEET	1 OF 1