

## DESCRIPTION

PMI MODEL: A-1R0G2R0G-40G-0R6N-10P is an octave bandwidth 50-ohm matched low noise amplifier in a compact housing. Groups of amplifiers can be gain and phase matched.

### 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
- Two versions:  
Connectorized or DROP-IN

### SPECIFICATIONS FROM +23 °C

- Frequency Range: ----- 1.0 to 2.0 GHz
- Gain: ----- 40.0 dB min.
- Gain Flatness: ----- ±1.0 dB max.
- Noise Figure: ----- 0.6 dB max.
- P1dB Out: ----- +10 dBm min.
- Phase Matching: ----- 20 Degree P-P max. -- Per Lot
- Amplitude Matching: ----- 1.0 dB P-P max. -- Per Lot
- VSWR In / Out: ----- 2.0:1 max.
- DC Power Supply: ----- +15VDC @ 125 mA typ.
- Connector In: ----- SMA female
- Connector Out: ----- SMA female
- Finish: ----- Gold plated

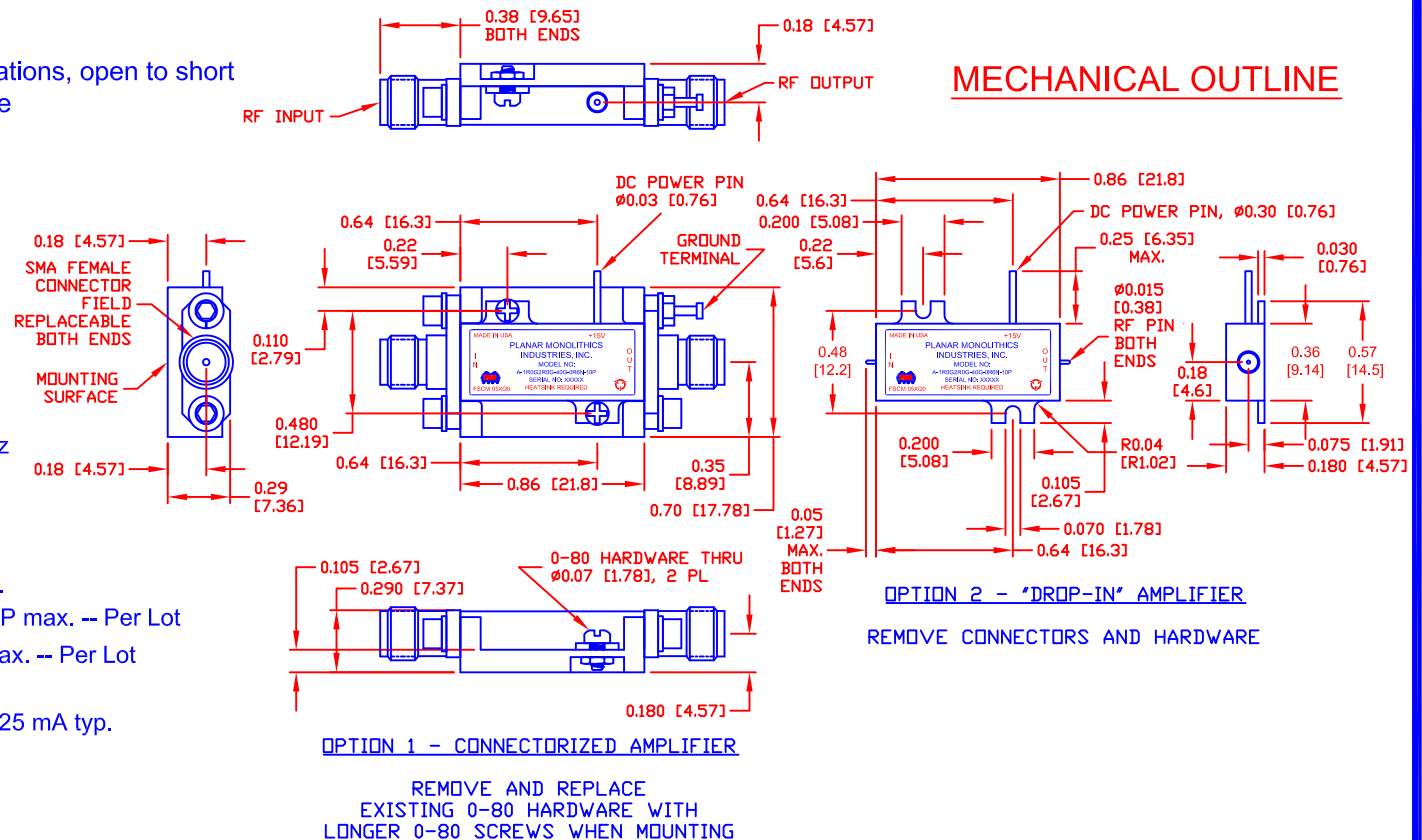
### ENVIRONMENTAL RATINGS

- Temperature: ----- -54 °C TO +85 °C (Operating)  
-55 °C TO +125 °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	PRELIMINARY	11/7/2017	<i>SAJ SAJ</i>



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN	<i>SAJ SAJ</i>	11/07/17	PRODUCT FEATURE: OCTAVE BANDWIDTH LOW NOISE AMPLIFIER MODEL NO.: A-1R0G2R0G-40G-0R6N-10			-
CHECKED	<i>SAJ SAJ</i>	11/07/17	SIZE	FSCM NO.	DWG NO.	
ISSUED			A	05XQ0	PRELIMINARY	
			SCALE	N:S	SHEET	1 OF 1