

DESCRIPTION

PMI MODEL: A-0R5G1R0G-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: ----- 0.5 to 1.0 GHz
- Gain: ----- 40.0 dB min.
- Gain Flatness: ----- ±0.75 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

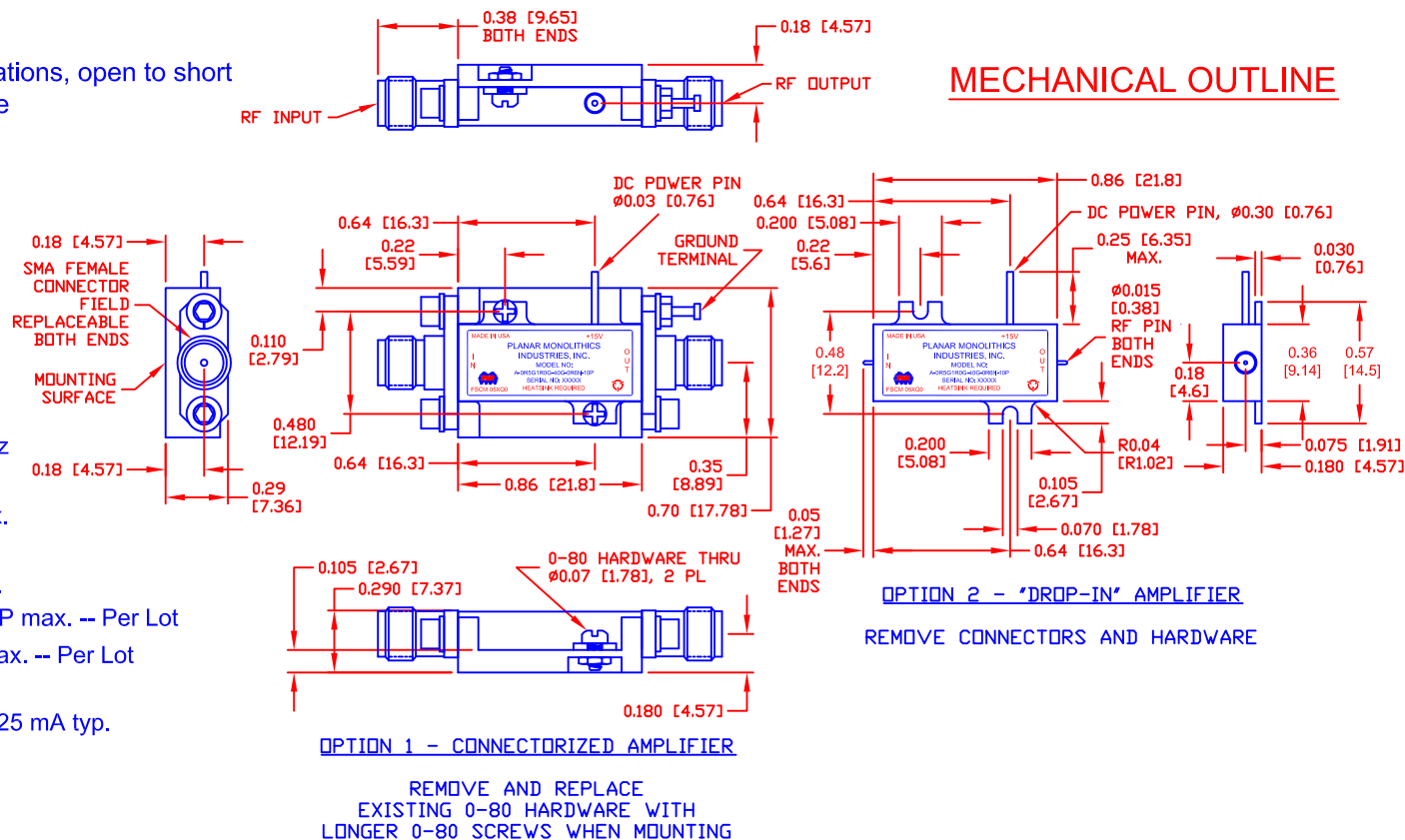
ENVIRONMENTAL RATINGS

- 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> |



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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-0R5G1R0G-40G-0R6N-10P | | | - |
| CHECKED | <i>SAJ SAJ</i> | 11/07/17 | SIZE | FSCM NO. | DWG NO. | |
| ISSUED | | | A | 05XQ0 | PRELIMINARY | |
| | | | SCALE | N:S | SHEET | 1 OF 1 |