

## Description:

PMI Model Number: PLNA-30-8G12G-6DB-10DBM-12V-SFF is an 8 to 12 GHz low noise amplifier. This amplifier is supplied with SMA female input and output connectors.

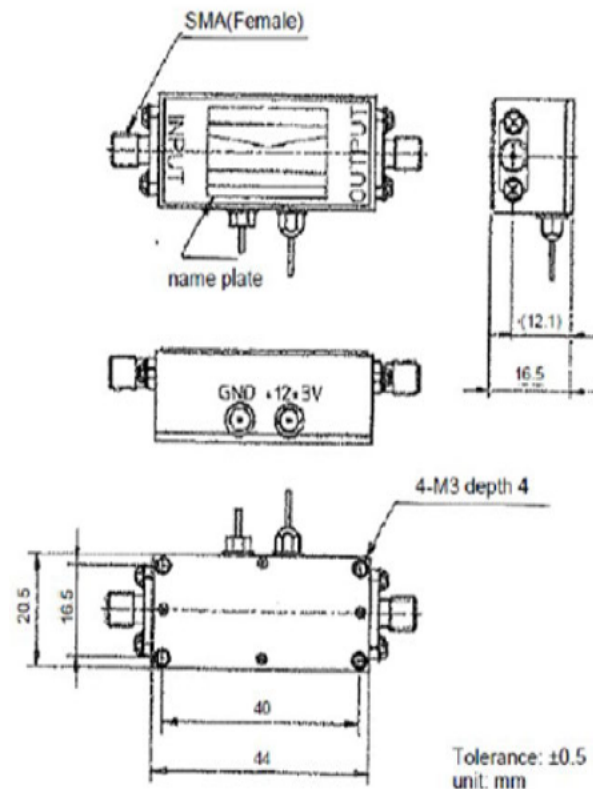
## Specifications:

Frequency Range: 8 to 12 GHz  
Gain: 29 dB min to 31 dB max  
Noise Figure: 6 dB max  
P1dB: +10 dBm max  
Input/Output VSWR: 2:1 max  
Gain vs Temperature: 8.5 dB peak to peak  
Gain vs Frequency: +/- 1 dB max  
Voltage: 12 +/- 3 VDC  
Current Consumption: 200 mA max  
Connectors: SMA Female  
Finish: Gold Plated

## Environmental Ratings:

Temperature: -20°C to + 71°C (Operating)  
-55°C to + 85°C (Storage)  
Humidity: MIL-E-5400R 3.2.24  
Vibration: MIL-E-5400R 3.2.24.5 Figure 2 Curve 3  
Shock: MIL-E-5400R 3.2.24.6.1  
Altitude: 0 to 3200 m

| REVISIONS |      |             |          |          |
|-----------|------|-------------|----------|----------|
| ZONE      | REV. | DESCRIPTION | DATE     | APPROVED |
|           | -    | PRELIMINARY | 10/04/24 |          |
|           |      |             |          |          |
|           |      |             |          |          |



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



| APPROVALS |  | DATE | TITLE                           |          |             |        |
|-----------|--|------|---------------------------------|----------|-------------|--------|
| DRAWN     |  | AG   | PRODUCT FEATURE                 |          |             |        |
| REDRAWN   |  |      | PLNA-30-8G12G-6DB-10DBM-12V-SFF |          |             |        |
| ISSUED    |  |      | SIZE                            | FSCM NO. | DWG NO.     | REV.   |
|           |  |      | A                               | 05XQ0    | PRELIMINARY | —      |
|           |  |      | SCALE                           | N:S      | SHEET       | 1 OF 1 |