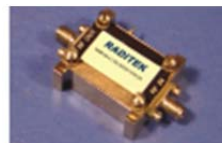


# RADITEK

## Amplifiers LNA

### Low Noise Amplifiers, Broadband 0.1 - 27 GHz, Split Bands with gain to 45 dB and P1dB to 28dBm



#### General Specifications

- Modules cover bands across: 0.1 GHz to 27GHz
- Low Noise figure
- Very Good VSWR
- Operating Temperature: -40°C to 85°C
- Operating Voltage: +5/+12/+15 V
- Reverse voltage protection
- Internal regulator for steady performance
- Custom Gain and P1 dB available
- Hermetic sealing optional
- Field replaceable SMA connectors
- Surface mount or connector packages

#### Order Examples: RLNA-0.3-30-14d-12V-Sf-R3-j18

Description: (Low Noise Amplifier, 0.3-3.0 GHz, 14dB Gain, 12 Volts, SMA Female Connectors, Package R3)

| Frequency<br>GHZ | Noise fig.<br>dB | Gain<br>dB | OIP3 | P1dBm minimum | Current mA | VSWR  | Package |
|------------------|------------------|------------|------|---------------|------------|-------|---------|
| DC-1.0           | 3.0              | 21         | 28   | 28            | 210        | 2.0:1 | R3      |
| DC-5.0           | 3.4              | 19         | 30   | 20            | 210        | 2.4:1 | R3      |
| DC-5.0           | 4.2              | 18         | 32   | 22            | 240        | 2.0:1 | R3      |
| DC-10.0          | 7.2              | 13         | 30   | 20            | 210        | 2.0:1 | R3      |
| 0.05-4.0         | 1.6              | 20         | 28   | 20            | 100        | 2.0:1 | R3      |
| 0.1-20.0         | 3.0              | 12         | 24   | 24            | 100        | 2.2:1 | R3      |
| 0.3-3.0          | 1.7              | 14         | 32   | 22            | 240        | 2.2:1 | R3      |
| 0.6-1.6          | 1.1              | 31         | 31   | 21.5          | 400        | 2.0:1 | R3      |
| 1.0-2.0          | 2.0              | 20         | 22   | 22            | 270        | 2.0:1 | R3      |
| 2.0-4.0          | 3.2              | 19         | 31   | 21            | 320        | 2.0:1 | R3      |
| 2.0-20.0         | 2.9              | 13         | 23   | 23            | 100        | 2.2:1 | R3      |
| 3.5-7.0          | 2.6              | 14         | 26   | 16            | 190        | 2.0:1 | R3      |
| 5.0-10.0         | 2.0              | 17         | 26   | 16            | 210        | 2.0:1 | R3      |
| 5.0-20.0         | 2.4              | 11         | 25   | 16            | 150        | 2.4:1 | R3      |
| 6.0-18.0         | 1.8              | 15         | 26   | 17            | 210        | 2.0:1 | R3      |
| 6.0-20.0         | 2.5              | 20         | 20   | 10            | 170        | 2.0:1 | R3      |
| 6.0-26.0         | 2.7              | 20         | 18   | 10            | 165        | 2.0:1 | R3      |
| 8.0-13.0         | 1.9              | 22         | 20   | 10            | 120        | 2.0:1 | R3      |
| 8.0-18.0         | 2.5              | 35         | 27   | 19            | 270        | 2.0:1 | R3      |
| 17.0-27.0        | 2.4              | 17         | 23   | 13            | 200        | 2.0:1 | R3      |

RLNA-0.1-27-xd-5-15V-Sf-R3-Generic-j18

Specifications may be subject to change

10/03/14

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## Broadband Low Noise Amplifiers 0.1 GHz to 27 GHz, Split Bands

### Drawing Dimensions and Package Type

