



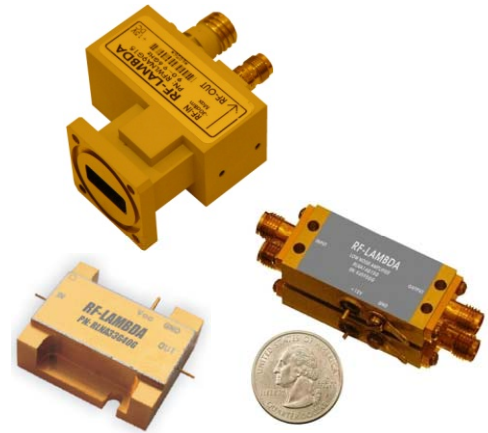
# RF-LAMBDA

The power beyond expectations

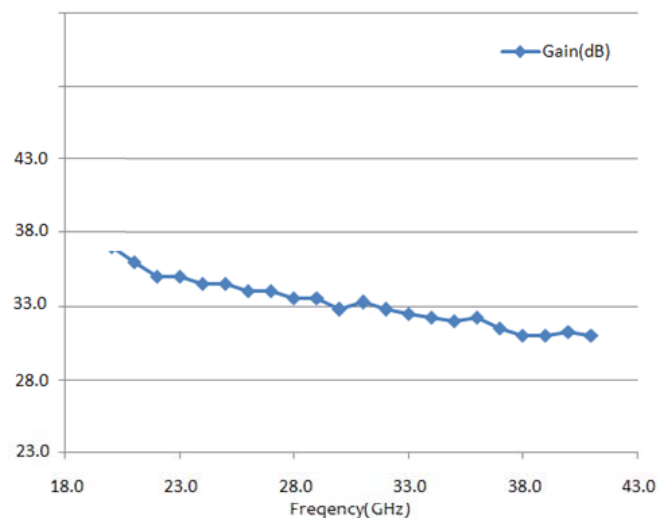
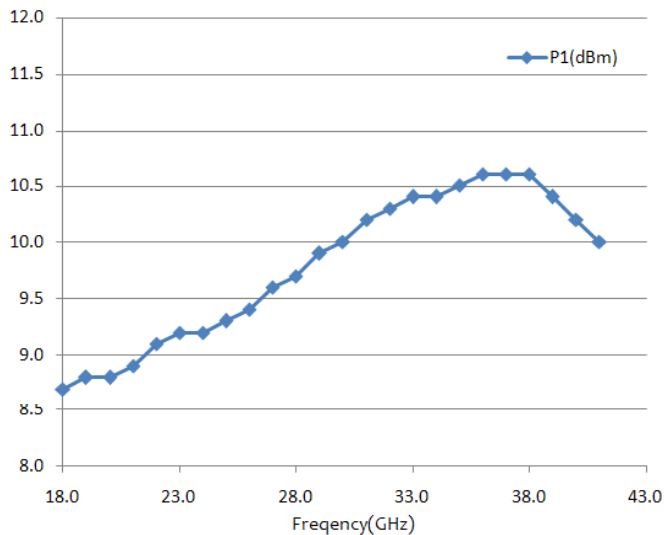
RLNA20G40GA

## Low Noise Amplifier 20GHz~40GHz

- High Gain 35dB
- Applicable for base station, repeaters of cellular network
- Aerospace and military application
- LMDS multi-carrier operation
- High Peak to average handle capability
- High Linearity and low noise figure
- All specifications can be modified upon request



| Electrical Specifications                   |                                                  |                             |                                                   |
|---------------------------------------------|--------------------------------------------------|-----------------------------|---------------------------------------------------|
| Frequency Range:                            | 20GHz~40GHz                                      | P1dB                        | +10dBm typ.                                       |
| Noise Figure:                               | 4.5dB                                            | Out IP3:                    | +18dBm                                            |
| Gain:                                       | 35dB typ.                                        | Output VSWR:                | 3.0 : 1                                           |
| Flatness:                                   | +/-3.0dB                                         | Input VSWR:                 | 3.0 : 1                                           |
| Input Power                                 | -25dBm (Max)                                     | DC Voltage:                 | +12V VDC /400mA max                               |
| Mechanical and Environmental Specifications |                                                  |                             |                                                   |
| Operation Temperature:                      | -40°C to 85°C base plate                         | Mechanical shock            | 30G, 11mSec half sin wave, 3 axis both directions |
| Vibration:                                  | 14.2g RMS (15-2000Hz) functional                 | Humidity                    | 95% relative humidity, 65°C 96Hour                |
|                                             | 16.2g RMS (15-2000Hz) endurance, 1 hour per axis | MTBF                        | 50000 hour min                                    |
| Connectors:                                 | 2.92mm (K)                                       | Case:                       | Conductive no paint                               |
|                                             | Supply RFI filter solder Pin                     | Dimension Size (L x W x H): | 0.79"×0.59"×0.39"<br>(20×15×10)                   |



Wide Band Low Noise Amplifier 20GHz~40GHz

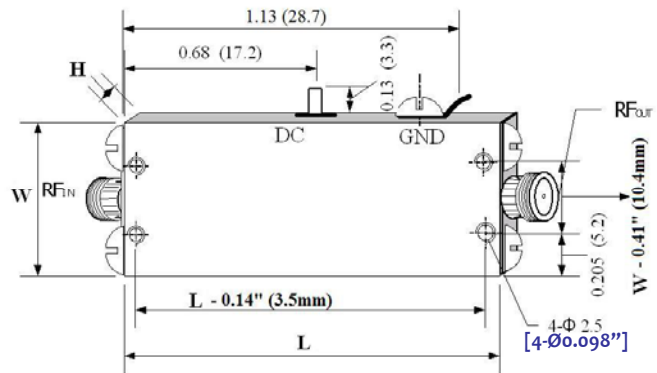
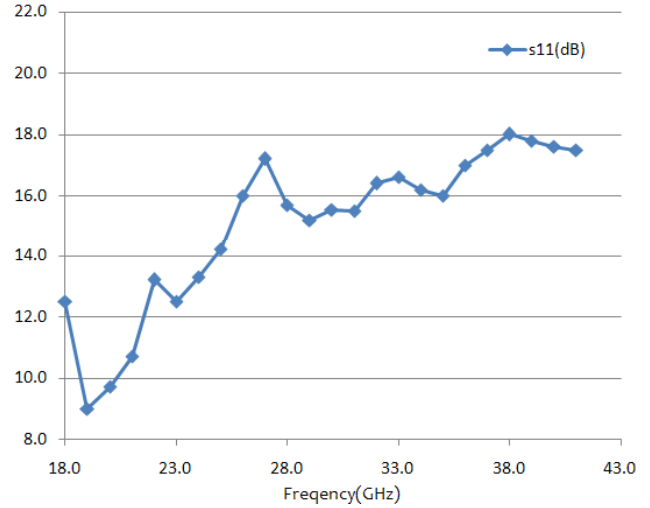
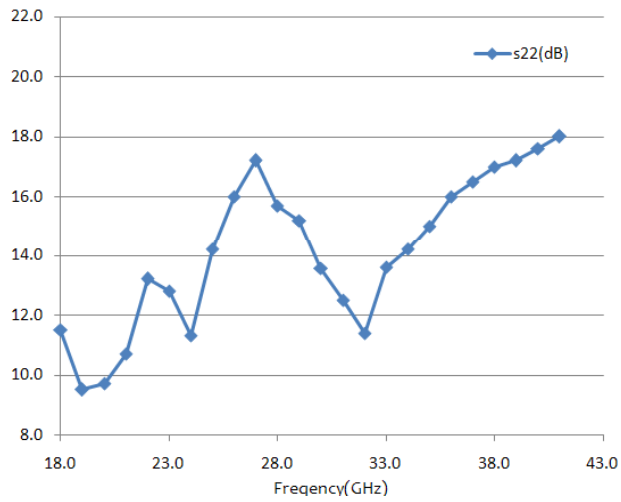


# RF-LAMBDA

The power beyond expectations

RLNA20G40GA

Wide Band Low Noise Amplifier 20GHz~40GHz



Heat Sink required during operation.

