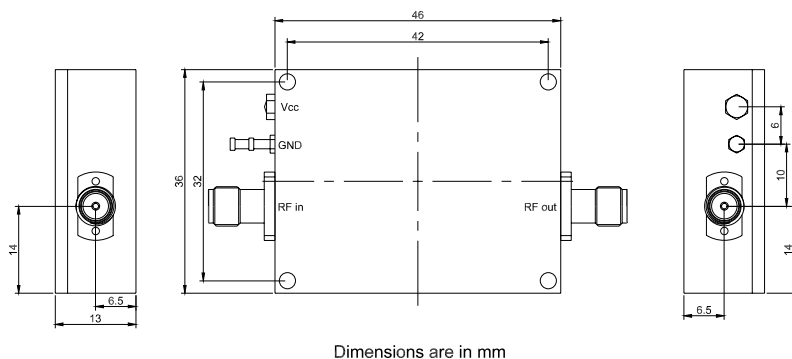


## SMA Female Low Noise Amplifier (LNA) | 40dB Gain | 2.5dB Noise Figure | 800MHz - 18GHz

P/N: **GWLNA008018-40**



### Product Configuration

|                               |          |
|-------------------------------|----------|
| Connector-In Series           | SMA      |
| Connector-In Polarity         | Standard |
| Connector-In Gender           | Female   |
| Connector-In Impedance (Ohm)  | 50       |
| Connector-Out Series          | SMA      |
| Connector-Out Polarity        | Standard |
| Connector-Out Gender          | Female   |
| Connector-Out Impedance (Ohm) | 50       |

### Electrical Specifications

|                            |                 |
|----------------------------|-----------------|
| Frequency Range            | 800MHz to 18GHz |
| Return Loss or VSWR Input  | 1.8             |
| Return Loss or VSWR Output | 2.2             |
| Gain, Typical (dB)         | 40              |
| Gain Flatness (dB)         | $\pm 2.0$       |
| P-1dB (dBm)                | 13              |
| Noise Figure, Max (dB)     | 3.0             |
| 3rd Intercept Point (dB)   | 25              |
| Voltage, DC Typ (Volts)    | +12             |
| Voltage, DC Max (Volts)    | +12             |
| Current, Max (mA)          | 150             |
| Max Input Power (dBm)      | 0               |

**SMA Female Low Noise Amplifier (LNA) | 40dB Gain | 2.5dB Noise  
Figure | 800MHz - 18GHz**

**P/N: [GWLNA008018-40](#)**

## Mechanical Data

|                    |        |
|--------------------|--------|
| Min. Mating Cycles | ≥500   |
| Body Material      | Brass  |
| Body Plating       | Nickel |

## Enviromental Specifications

|                             |                  |
|-----------------------------|------------------|
| RoHS Compliant              | Yes              |
| Operating Temperature Range | -40 °C to +70 °C |
| Storage Temperature Range   | -40 °C to +85 °C |