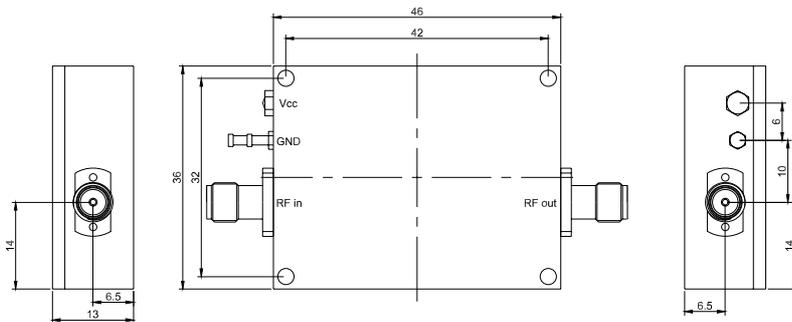


**SMA Female Low Noise Amplifier (LNA) | 50dB Gain | 2.5dB Noise Figure | 800MHz - 18GHz**

P/N: **GWLNA008018-50**



Dimensions are in mm



**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)	50dB
Gain Flatness (dB)	±2.5
P-1dB (dBm)	13
Noise Figure, Max (dB)	2.5
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) | 50dB Gain | 2.5dB Noise Figure | 800MHz - 18GHz**

**P/N: [GWLNA008018-50](#)**

## Mechanical Data

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

## Environmental Specifications

RoHS Compliant	Yes
Operating Temperature Range	-45 °C to +85 °C
Storage Temperature Range	-40 °C to +85 °C