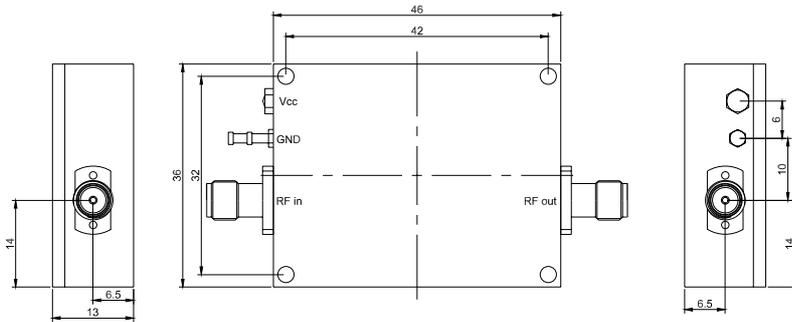


SMA Female Low Noise Amplifier (LNA) | 20dB Gain | 2.5dB Noise Figure | 800M - 18GHz

P/N: **GWLNA008018-20**



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)	20
Gain Flatness (dB)	±2.5
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)	100
Max Input Power (dBm)	10

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P/N: [GWLNA008018-20](#)

Mechanical Data

Min. Mating Cycles	≥500
Weight (g)	50 g
Body Material	Brass
Body Plating	Nickel

Environmental Specifications

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