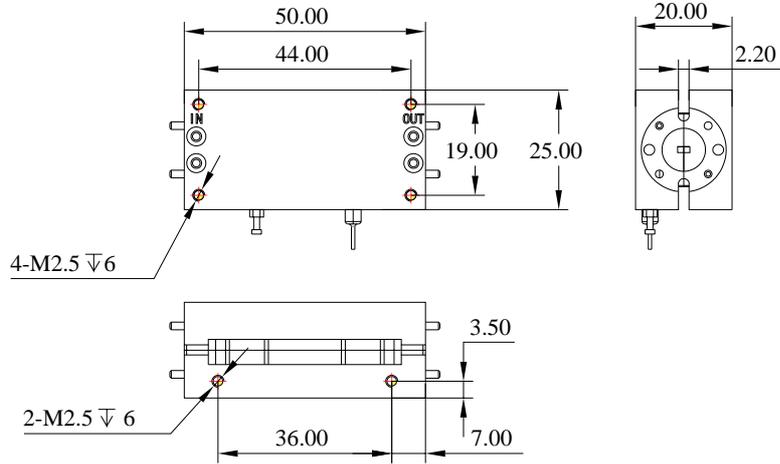


**Waveguide WR10 Low Noise Amplifier(LNA) | 42dB Gain | 6dB Noise Figure | 75 - 110GHz**

P/N: LNA-75G110G-G42-P0-



Dimensions are in mm

**Product Configuration**

|                               |           |
|-------------------------------|-----------|
| Connector-In Series           | WR10      |
| Connector-In Polarity         | Standard  |
| Connector-In Gender           | Waveguide |
| Connector-In Impedance (Ohm)  | 50        |
| Connector-Out Series          | WR10      |
| Connector-Out Polarity        | Standard  |
| Connector-Out Gender          | Waveguide |
| Connector-Out Impedance (Ohm) | 50        |

**Electrical Specifications**

|                            |              |
|----------------------------|--------------|
| Frequency Range            | 75GHz~110GHz |
| Return Loss or VSWR Input  | <3           |
| Return Loss or VSWR Output | <3           |
| Gain, Typical (dB)         | 42           |
| P-1dB (dBm)                | +1           |
| Noise Figure, Max (dB)     | 6.0          |
| Voltage, DC Typ (Volts)    | +8           |
| Max Input Power (dBm)      | -10          |

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## Mechanical Data

|                    |       |
|--------------------|-------|
| Min. Mating Cycles | ≥500  |
| Weight (g)         | 150 g |
| Body Material      | Brass |
| Body Plating       | Gold  |

## Environmental Specifications

|                             |                   |
|-----------------------------|-------------------|
| RoHS Compliant              | Yes               |
| Operating Temperature Range | -20° to +50°      |
| Storage Temperature Range   | -55 °C to +125 °C |