

## Product features

High power

## Tech specifications

| Parameters    | Min | Typical | Max                      | Units |
|---------------|-----|---------|--------------------------|-------|
| Frequency     | 24  | ~       | 34                       | GHz   |
| Gain          | 14  |         |                          | dB    |
| Gain flatness |     |         | ±2                       | dB    |
| VSWR          |     |         | 2@24~25GHz;2.5@25~34GHz; |       |
| P-1dB         | 24  |         |                          | dBm   |
| Psat          | 29  |         |                          | dBm   |

## Environmental

|                    |                            |
|--------------------|----------------------------|
| Connector          | 2.92-K                     |
| Connector material | Stainless steel            |
| Impedance          | 50Ω                        |
| Surface            | White                      |
| Working voltage    | +12V                       |
| Working current    | 1000mA                     |
| Work Temp.         | -40~+70°C Design assurance |
| Quality Grade      | Industrial grade           |

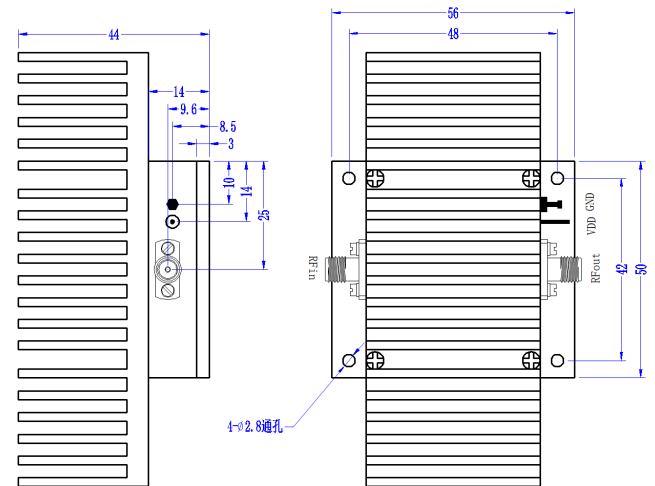
## Typical test data

| Frequency (G) | S11 VSWR | S22 VSWR | S21 Gain dB | S21 P-1dB | S21 Psat dBm |
|---------------|----------|----------|-------------|-----------|--------------|
| 22            | 2.63     | 1.44     | 15.02       | 27.9      | 29.2         |
| 23            | 1.56     | 1.76     | 15.03       | 27        | 29.2         |
| 24            | 1.41     | 1.92     | 15.65       | 27.8      | 30           |
| 25            | 1.82     | 1.76     | 16.27       | 28.1      | 30.8         |
| 25            | 1.82     | 1.76     | 16.27       | 28.1      | 30.8         |
| 26            | 1.4      | 1.45     | 16.8        | 28.2      | 30.9         |
| 27            | 1.09     | 1.24     | 16.92       | 28.9      | 31.9         |
| 28            | 1.36     | 1.3      | 16.62       | 28.9      | 31.5         |
| 29            | 1.81     | 1.51     | 16.36       | 27.9      | 31.5         |
| 30            | 1.61     | 1.69     | 16.17       | 27.3      | 31.11        |
| 31            | 1.38     | 1.9      | 16.66       | 26.9      | 31           |
| 32            | 1.7      | 2.09     | 16.66       | 26.7      | 30.8         |
| 33            | 1.8      | 2.17     | 16.62       | 25.8      | 31           |
| 34            | 1.1      | 2.12     | 18.11       | 27.1      | 31.7         |
| 35            | 1.72     | 1.84     | 18.2        | 27.3      | 32.5         |
| 36            | 1.51     | 1.57     | 18.52       | 28        | 32.2         |

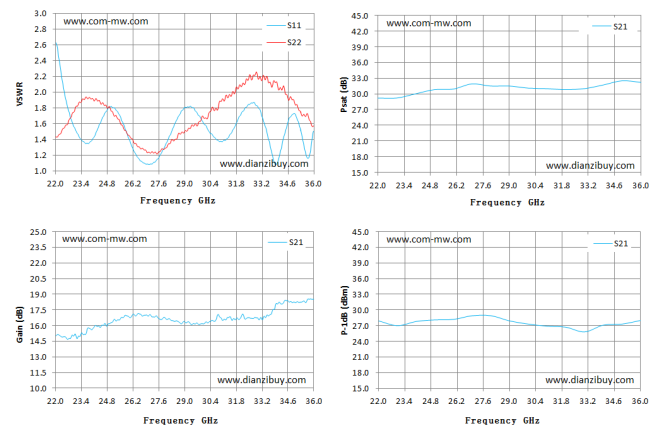
## Reference picture



## Configuration



## Typical test curve



Note: The specifications and performance data contained in this data sheet are based on tests established by COM-MW.