

## Main specifications

| Parameters      | Min | Typical | Max                          | Units |
|-----------------|-----|---------|------------------------------|-------|
| Frequency       | 26  | ~       | 40                           | GHz   |
| Gain            | 15  |         |                              | dB    |
| Gain flatness   |     |         | ± 0.5 (any 1.2GHz bandwidth) | dB    |
| Noise figure    |     |         | 4                            | dB    |
| VSWR            |     |         | 2                            |       |
| P-1dB           | 10  |         |                              | dBm   |
| Max input power |     |         | 10                           | dBm   |

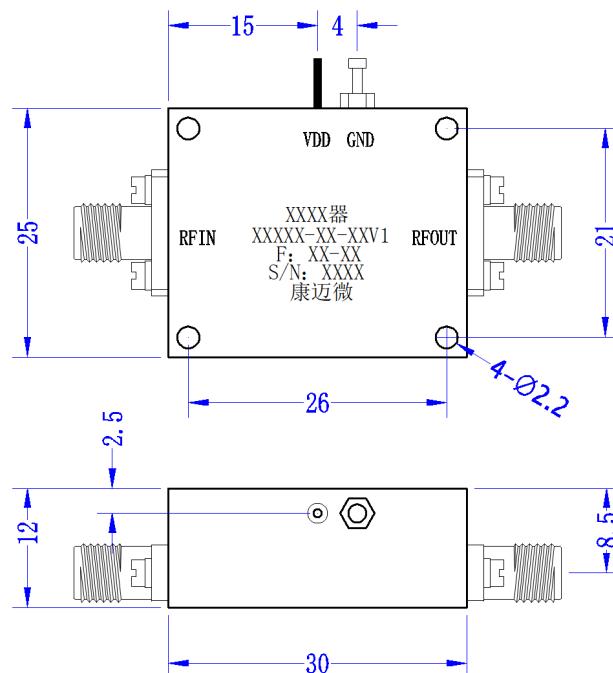
## Other parameters

| Connector          | 2.92-F detachable, Pin 0.3mm |
|--------------------|------------------------------|
| Connector material | Stainless steel              |
| Impedance          | 50Ω                          |
| Surface            | Gold-plating                 |
| Working voltage    | +12V                         |
| Working current    | 100mA                        |
| Operation Temp.    | -40~+70°C Design assurance   |
| Storage Temp.      | -55~+85°C Design assurance   |

## Reference picture



## Configuration(mm)

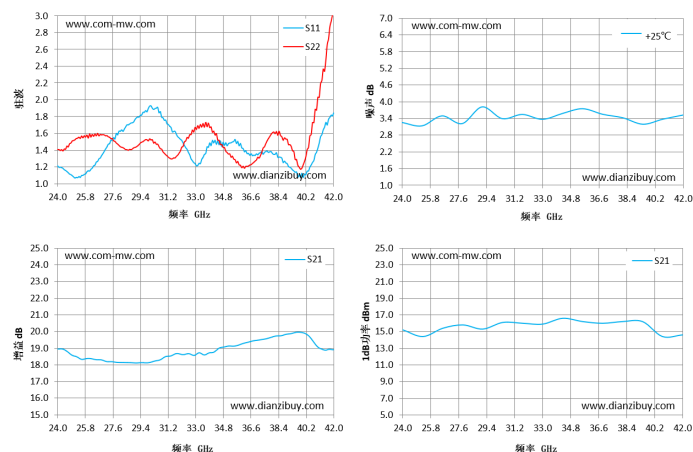


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

## Typical test data

| Frequency(GHz) | S11<br>VSW<br>R | S22<br>VSW<br>R | S21<br>gain | S21<br>Noise | S21<br>P-<br>1dB |
|----------------|-----------------|-----------------|-------------|--------------|------------------|
| 24             | 1.22            | 1.4             | 18.9<br>5   | 3.25         | 15.2             |
| 25.29          | 1.07            | 1.54            | 18.4<br>8   | 3.12         | 14.4             |
| 26.57          | 1.25            | 1.57            | 18.3        | 3.49         | 15.4             |
| 27.86          | 1.6             | 1.48            | 18.1<br>5   | 3.21         | 15.8             |
| 29.14          | 1.77            | 1.43            | 18.1<br>1   | 3.81         | 15.3             |
| 30.43          | 1.9             | 1.49            | 18.2<br>4   | 3.38         | 16.1             |
| 31.71          | 1.62            | 1.3             | 18.6<br>6   | 3.54         | 16               |
| 33             | 1.24            | 1.67            | 18.5<br>9   | 3.36         | 15.9             |
| 34.29          | 1.51            | 1.58            | 18.8<br>2   | 3.57         | 16.6             |
| 35.57          | 1.5             | 1.29            | 19.1<br>2   | 3.74         | 16.2             |
| 36.86          | 1.34            | 1.25            | 19.4<br>5   | 3.54         | 16               |
| 38.14          | 1.35            | 1.61            | 19.7        | 3.42         | 16.2             |
| 39.43          | 1.15            | 1.38            | 19.9<br>2   | 3.18         | 16.2             |
| 40.71          | 1.25            | 1.73            | 19.4<br>6   | 3.37         | 14.4             |
| 42             | 1.84            | 3.03            | 18.9<br>1   | 3.52         | 14.6             |

## Typical test curve



## Note

Store in an environment with a humidity of less than 25% and pay attention to dust and static electricity prevention.

If the amplifier is directly connected to the antenna, electrostatic protection or limiter protection should be applied.