

Product features

Broadband, low noise.

Main specifications

| Parameters | Min | Typical | Max | Units |
|---------------|-----|---------|-----|-------|
| Frequency | 40 | ~ | 50 | GHz |
| Gain | 38 | | | dB |
| Gain flatness | | | ±2 | dB |
| Noise figure | | | 3 | dB |
| VSWR | | | 2 | |
| P-1dB | 13 | | | dBm |

Other parameters

| | |
|--------------------|----------------------------|
| Connector | 1.85-K detachable |
| Connector material | Stainless steel |
| Impedance | 50Ω |
| Surface | Gold-plating |
| Working voltage | +12~18V |
| Working current | 150mA |
| Work Temp. | -40~+70°C Design assurance |

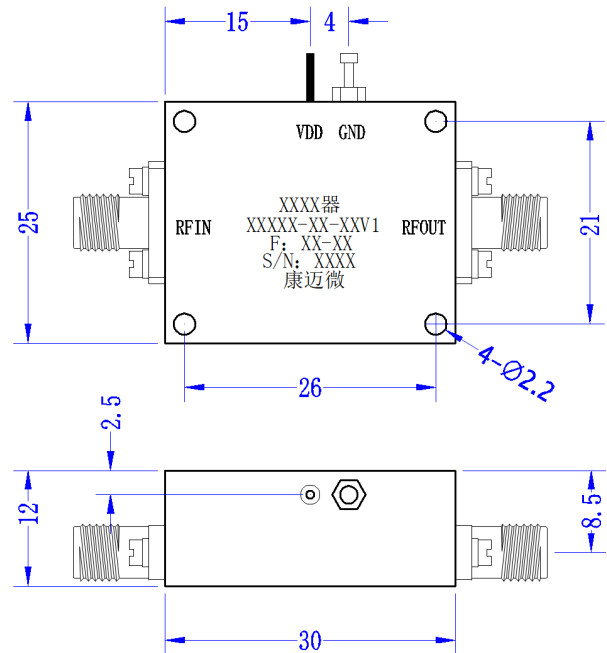
Typical test data

| Frequency(GHz) | S11 VSWR | S22 VSWR | Gain | Noise | P-1dB |
|----------------|----------|----------|-------|-------|-------|
| 40 | 1.6 | 1.27 | 41.49 | 2.76 | 15.4 |
| 40.71 | 1.6 | 1.23 | 41.68 | 2.71 | 15.8 |
| 41.43 | 1.66 | 1.23 | 41.52 | 2.75 | 16.1 |
| 42.14 | 1.75 | 1.21 | 41.69 | 2.42 | 16.5 |
| 42.86 | 1.6 | 1.34 | 41.46 | 2.65 | 16.1 |
| 43.57 | 1.41 | 1.54 | 40.5 | 2.59 | 16.3 |
| 44.29 | 1.39 | 1.73 | 39.96 | 2.68 | 16.6 |
| 45 | 1.55 | 1.82 | 39.37 | 2.99 | 17.5 |
| 45.71 | 1.77 | 1.88 | 39.47 | 2.75 | 17.1 |
| 46.43 | 1.81 | 1.88 | 39.46 | 2.48 | 16.9 |
| 47.14 | 1.5 | 1.79 | 40.03 | 2.38 | 16.8 |
| 47.86 | 1.1 | 1.56 | 40.15 | 2.28 | 16.6 |
| 48.57 | 1.27 | 1.28 | 39.63 | 2.59 | 16.3 |
| 49.29 | 1.49 | 1.35 | 39.51 | 2.7 | 15.1 |
| 50 | 1.65 | 1.8 | 39.87 | 2.9 | 14.2 |

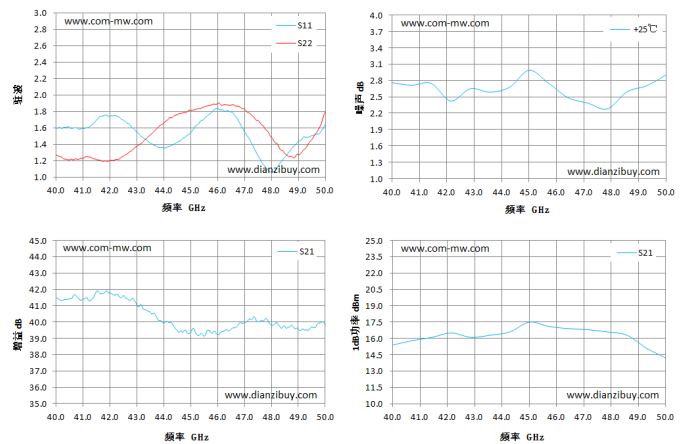
Reference picture



Configuration(mm)



Typical test curve



Note

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