

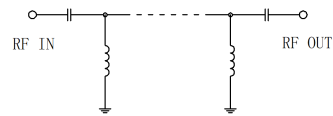
## Main specifications

| Parameters    | Frequency | /    | Min  | Typical | Max   | Units |
|---------------|-----------|------|------|---------|-------|-------|
| Passband      | /         | /    | 8000 | ~       | 18000 | MHz   |
| Passband IL   | /         | /    |      |         | 2     | dB    |
| Rejection     | DC-7125   | MHz≥ | 40   |         |       | dB    |
| Passband VSWR | /         | /    |      |         | 1.8   |       |

## Other parameters

|                    |                             |
|--------------------|-----------------------------|
| Connector          | SMA-K                       |
| Connector material | Housing 304 stainless steel |
| Impedance          | 50Ω                         |
| Surface            | silver-plate                |
| Power Capacity     | 20W Design assurance        |
| Operation Temp     | -40~+70°C Design assurance  |

## Functional diagram



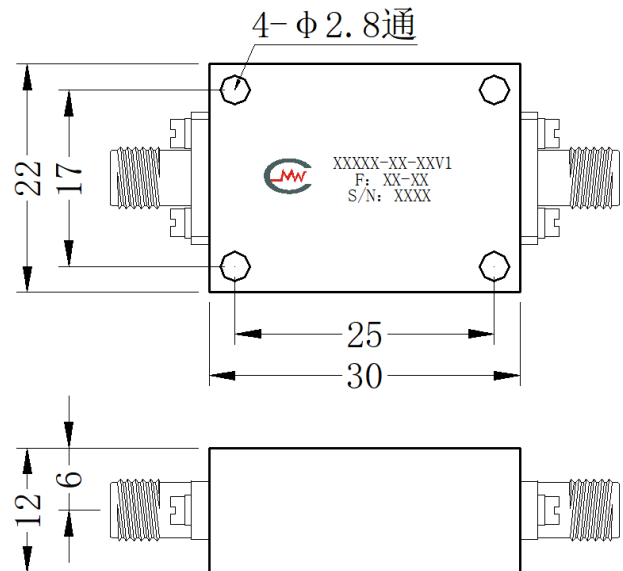
## Typical test data

| Frequency(GHz) | S11 VSWR | S22 VSWR | S12 Rej. | S12 Delay nS |
|----------------|----------|----------|----------|--------------|
| 4              | 83.6     | 90.04    | -67.4    | -26.82       |
| 5.07           | 60.03    | 75.38    | -81.05   | -10.81       |
| 6.14           | 80.36    | 125.99   | -56.85   | -14.4        |
| 7.21           | 63.81    | 79.82    | -35.47   | 6.46         |
| 8.29           | 1.62     | 1.62     | -0.69    | 1.68         |
| 9.36           | 1.15     | 1.18     | -0.58    | 0.70         |
| 10.43          | 1.24     | 1.34     | -0.46    | 0.42         |
| 11.5           | 1.47     | 1.35     | -0.55    | 0.22         |
| 12.57          | 1.23     | 1.32     | -0.69    | 0.27         |
| 13.64          | 1.15     | 1.06     | -0.51    | 0.11         |
| 14.71          | 1.25     | 1.31     | -0.45    | 0.19         |
| 15.79          | 1.41     | 1.43     | -0.1     | 0.22         |
| 16.86          | 1.11     | 1.08     | -0.21    | 0.17         |
| 17.93          | 1.5      | 1.6      | -0.28    | 0.16         |
| 19             | 1.61     | 1.65     | -0.53    | 0.19         |

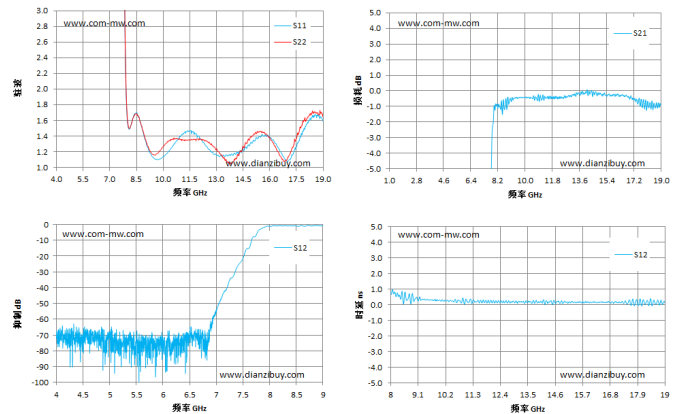
## Reference picture



## Configuration(mm)



## Typical test curve



## Note

|   |                                                                                              |
|---|----------------------------------------------------------------------------------------------|
| 1 | Clean the surface of the product, do not soak the product in cleaning solution for cleaning. |
| 2 | If the temperature is higher than 125°C, consult with us before ordering.                    |