

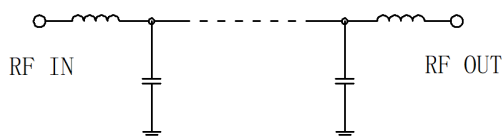
## Main specifications

| Parameters    | Frequency | /          | Min | Typical | Max | Units |
|---------------|-----------|------------|-----|---------|-----|-------|
| Passband      | /         | /          | 470 | ~       | 970 | MHz   |
| Passband IL   | /         | /          |     |         | 2.5 | dB    |
| Ripple        | /         | /          |     |         | 1   | dB    |
| Rejection     | DC-370    | MHz $\geq$ | 40  |         |     | dB    |
| Rejection     | 1170-2200 | MHz $\geq$ | 40  |         |     | dB    |
| Passband VSWR | /         | /          |     |         | 1.6 |       |

## Other parameters

|               |                            |
|---------------|----------------------------|
| Connector     | SMD                        |
| Impedance     | 50 $\Omega$                |
| Power         | 1W Design assurance        |
| Work Temp.    | -40~+70°C Design assurance |
| Storage Temp. | -55~+85°C Design assurance |
| Quality Grade | Industrial grade           |

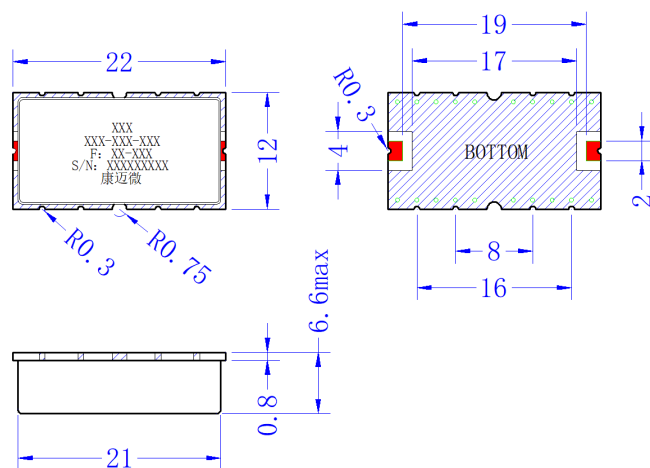
## Functional diagram



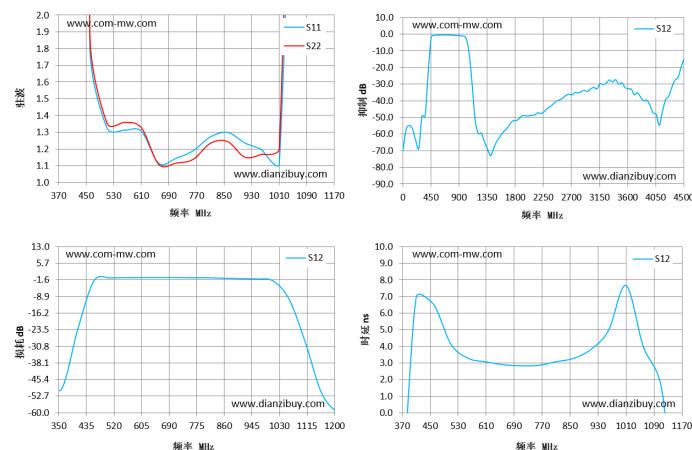
## Reference picture



## Configuration(mm)



## Typical test curve



## Note

- Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution.
- The product supports 190 °C reflow soldering

## Typical test data

| Frequency(MHz) | S11<br>VSWR | S22<br>VSWR | S12 IL<br>dB | S12<br>Delay nS |
|----------------|-------------|-------------|--------------|-----------------|
| 370            | 28.9        | 66.24       | -49.41       | -5.73           |
| 427            | 23.17       | 33.17       | -22.78       | 6.97            |
| 484            | 1.82        | 1.89        | -1.81        | 6.53            |
| 541            | 1.32        | 1.35        | -0.84        | 4.12            |
| 599            | 1.31        | 1.36        | -0.72        | 3.28            |
| 656            | 1.3         | 1.32        | -0.65        | 3.08            |
| 713            | 1.14        | 1.11        | -0.62        | 2.84            |
| 770            | 1.19        | 1.14        | -0.74        | 2.87            |
| 827            | 1.27        | 1.23        | -0.73        | 3.09            |
| 884            | 1.3         | 1.24        | -0.96        | 3.29            |
| 941            | 1.24        | 1.15        | -1.1         | 3.84            |
| 999            | 1.19        | 1.17        | -1.28        | 4.98            |
| 1056           | 1.11        | 1.2         | -2.08        | 7.68            |
| 1113           | 19.5        | 20.18       | -29.09       | 1.65            |
| 1170           | 32.59       | 29.38       | -51.32       | -6.19           |

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