

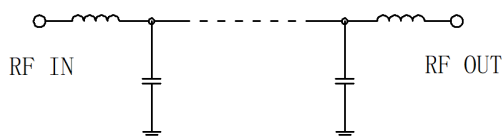
## Main specifications

| Parameters    | Frequency | /          | Min | Typical | Max | Units |
|---------------|-----------|------------|-----|---------|-----|-------|
| Passband      | /         | /          | 280 | ~       | 320 | MHz   |
| Passband IL   | /         | /          |     |         | 3.5 | dB    |
| Ripple        | /         | /          |     |         | 1   | dB    |
| Rejection     | DC-230    | MHz $\geq$ | 45  |         |     | dB    |
| Rejection     | 380-1200  | MHz $\geq$ | 45  |         |     | 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           |

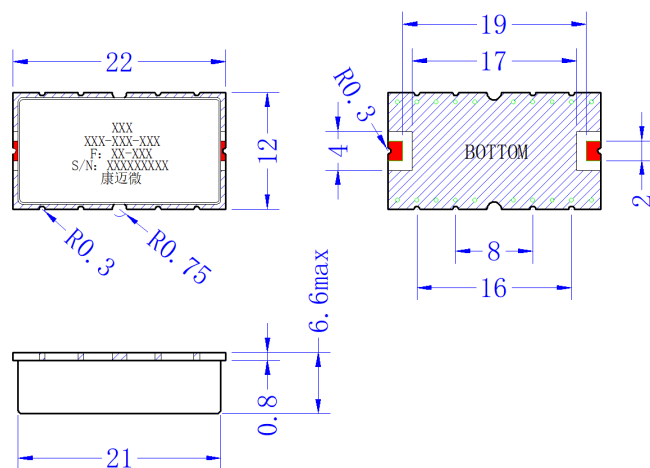
## Functional diagram



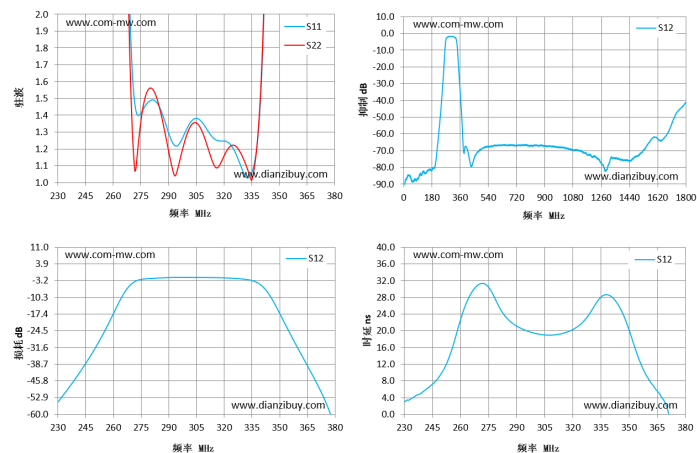
## Reference picture



## 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 |
|----------------|-------------|-------------|--------------|-----------------|
| 230            | 66.16       | 150.32      | -55.05       | 2.78            |
| 241            | 40.75       | 84.06       | -43.37       | 5.65            |
| 251            | 22.99       | 40.78       | -31.04       | 10.37           |
| 262            | 8.03        | 10.17       | -14.36       | 24.86           |
| 273            | 1.41        | 1.14        | -3.24        | 31.25           |
| 284            | 1.47        | 1.5         | -2.21        | 23.55           |
| 294            | 1.22        | 1.04        | -1.91        | 20.26           |
| 305            | 1.38        | 1.36        | -1.94        | 18.98           |
| 316            | 1.25        | 1.09        | -2.02        | 19.48           |
| 326            | 1.19        | 1.22        | -2.35        | 22.2            |
| 337            | 1.13        | 1.12        | -3.74        | 28.51           |
| 348            | 6.29        | 6.29        | -13.94       | 23.01           |
| 359            | 19.79       | 18.14       | -30.58       | 9.72            |
| 369            | 34.06       | 29.31       | -45.03       | 3.21            |
| 380            | 51.89       | 41.62       | -65.26       | -18.3           |

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