

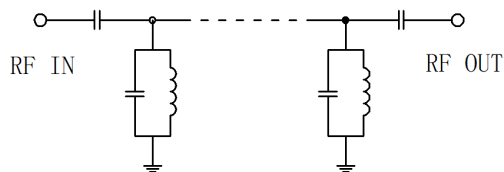
## Main specifications

| Parameters    | Frequency | /          | Min  | Typical | Max  | Units |
|---------------|-----------|------------|------|---------|------|-------|
| Passband      | /         | /          | 1900 | ~       | 2300 | MHz   |
| Passband IL   | /         | /          |      |         | 2    | dB    |
| Ripple        | /         | /          |      |         | 1    | dB    |
| Rejection     | DC-1520   | MHz $\geq$ | 40   |         |      | dB    |
| Rejection     | 2700-5000 | MHz $\geq$ | 40   |         |      | dB    |
| Passband VSWR | /         | /          |      |         | 1.5  |       |

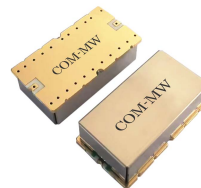
## Other parameters

|                 |                            |
|-----------------|----------------------------|
| Connector       | SMD                        |
| Impedance       | 50 $\Omega$                |
| Power Capacity  | 2W Design assurance        |
| Operation Temp. | -40~+70°C Design assurance |
| Storage Temp.   | -55~+85°C Design assurance |
| Quality Grade   | Industrial grade           |

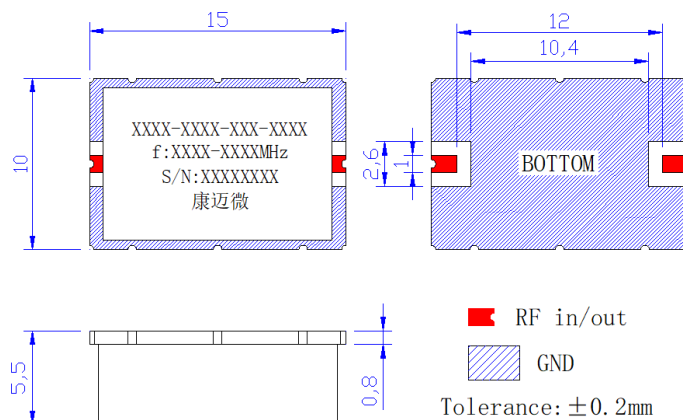
## Functional diagram



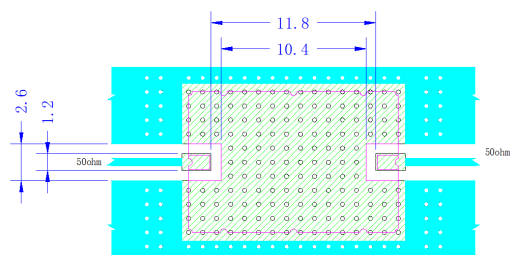
## Reference picture



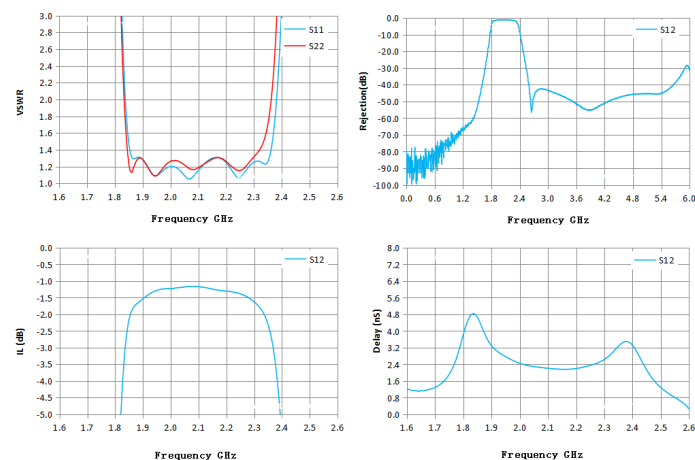
## Configuration(mm)



## Suggested PCB Layout



## Typical test curve



## Typical test data

| Frequency GHz | S11<br>VSWR | S22<br>VSWR | S12<br>IL dB | S12<br>Rej. | S12<br>Delay<br>nS |
|---------------|-------------|-------------|--------------|-------------|--------------------|
| 1.60          | 44.35       | 44.37       | -44.4<br>7   | -44.<br>47  | 1.23               |
| 1.67          | 32.61       | 32.16       | -33.8<br>9   | -33.<br>89  | 1.16               |
| 1.74          | 21.21       | 20.30       | -22.6<br>4   | -22.<br>64  | 1.65               |
| 1.81          | 5.97        | 5.28        | -7.64        | -7.6<br>4   | 4.13               |
| 1.89          | 1.31        | 1.30        | -1.64        | -1.6<br>4   | 3.62               |
| 1.96          | 1.10        | 1.11        | -1.26        | -1.2<br>6   | 2.72               |
| 2.03          | 1.17        | 1.26        | -1.20        | -1.2<br>0   | 2.34               |
| 2.10          | 1.13        | 1.18        | -1.17        | -1.1<br>7   | 2.22               |
| 2.17          | 1.31        | 1.31        | -1.27        | -1.2<br>7   | 2.16               |
| 2.24          | 1.08        | 1.16        | -1.35        | -1.3<br>5   | 2.31               |
| 2.31          | 1.26        | 1.33        | -1.66        | -1.6<br>6   | 2.68               |
| 2.39          | 2.33        | 3.45        | -4.46        | -4.4<br>6   | 3.46               |
| 2.46          | 10.65       | 16.02       | -13.6<br>9   | -13.<br>69  | 2.04               |
| 2.53          | 28.74       | 36.40       | -24.9<br>9   | -24.<br>99  | 1.01               |
| 2.60          | 46.46       | 40.67       | -37.1<br>2   | -37.<br>12  | 0.29               |

## Note

|   |                                                                                              |
|---|----------------------------------------------------------------------------------------------|
| 1 | Clean the surface of the product, do not soak the product in cleaning solution for cleaning. |
| 2 | The product supports 190 °C reflow soldering                                                 |