

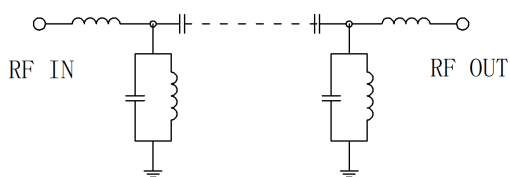
## Main specifications

| Parameters    | Frequency | /          | Min  | Typical | Max  | Units |
|---------------|-----------|------------|------|---------|------|-------|
| Passband      | /         | /          | 1300 | ~       | 1900 | MHz   |
| Passband IL   | /         | /          |      |         | 1.3  | dB    |
| Ripple        | /         | /          |      |         | 0.8  | dB    |
| Rejection     | 680-1100  | MHz $\geq$ | 30   |         |      | dBc   |
| Rejection     | 2200-2600 | MHz $\geq$ | 30   |         |      | dBc   |
| Rejection     | DC-680    | MHz $\geq$ | 50   |         |      | dBc   |
| Rejection     | 2600-3800 | MHz $\geq$ | 50   |         |      | dBc   |
| Passband VSWR | /         | /          |      |         | 1.6  |       |

## Other parameters

|                 |                            |
|-----------------|----------------------------|
| Connector       | SMD                        |
| Impedance       | 50 $\Omega$                |
| Power Capacity  | 45dBm                      |
| Operation Temp. | -40~+70°C Design assurance |
| Storage Temp.   | -50~+80°C Design assurance |
| Quality Grade   | Industrial grade           |

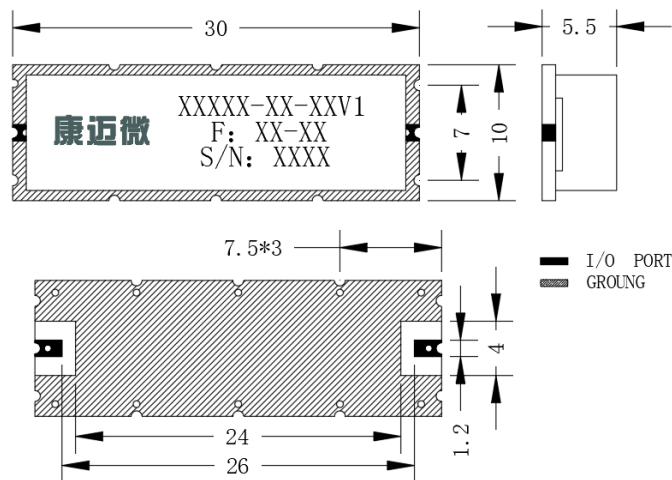
## Functional diagram



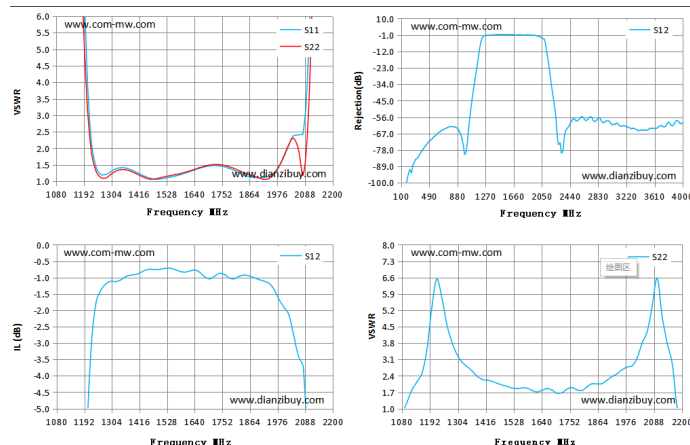
## Reference picture



## Configuration(mm)



## Typical test curve



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

## Typical test data

| Frequency MHz | S11<br>VSW<br>R | S22<br>VSW<br>R | S12<br>IL<br>(dB) | S12<br>Reject<br>ion | S22<br>VSW<br>R |
|---------------|-----------------|-----------------|-------------------|----------------------|-----------------|
| 1080.00       | 41.26           | 50.20           | -52.15            | -52.15               | -0.07           |
| 1160.00       | 23.43           | 18.71           | -24.91            | -24.91               | 2.14            |
| 1240.00       | 2.33            | 1.99            | -3.13             | -3.13                | 6.53            |
| 1320.00       | 1.29            | 1.21            | -1.11             | -1.11                | 3.32            |
| 1400.00       | 1.36            | 1.31            | -0.93             | -0.93                | 2.39            |
| 1480.00       | 1.09            | 1.06            | -0.75             | -0.75                | 2.09            |
| 1560.00       | 1.12            | 1.17            | -0.72             | -0.72                | 1.85            |
| 1640.00       | 1.29            | 1.31            | -0.80             | -0.80                | 1.72            |
| 1720.00       | 1.47            | 1.49            | -1.04             | -1.04                | 1.66            |
| 1800.00       | 1.39            | 1.44            | -1.02             | -1.02                | 1.80            |
| 1880.00       | 1.14            | 1.20            | -0.95             | -0.95                | 2.05            |
| 1960.00       | 1.15            | 1.08            | -1.17             | -1.17                | 2.49            |
| 2040.00       | 2.05            | 2.07            | -2.12             | -2.12                | 3.17            |
| 2120.00       | 4.50            | 2.74            | -7.58             | -7.58                | 6.57            |
| 2200.00       | 22.81           | 25.36           | -34.45            | -34.45               | 1.06            |

## 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                                                 |