

## Product features

Small size, high cost-effectiveness.

## Main specifications

| Parameters    | Frequency | /          | Min | Typical | Max | Units |
|---------------|-----------|------------|-----|---------|-----|-------|
| Passband      |           |            | DC  | ~       | 25  | MHz   |
| Passband IL   |           |            |     |         | 1.0 | dB    |
| Rejection     | 36-47     | MHz $\geq$ | 20  |         |     | dB    |
| Rejection     | 47-1000   | MHz $\geq$ | 40  |         |     | dB    |
| Passband VSWR |           |            |     | 1.7     |     |       |

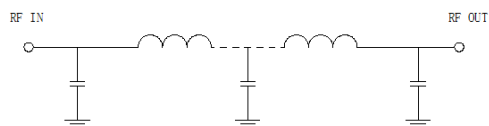
## Other parameters

| Connector     | SMD                                             |
|---------------|-------------------------------------------------|
| Impedance     | 50 $\Omega$                                     |
| Power         | 0.5W Design assurance                           |
| Work Temp.    | -40~+85°C Design assurance                      |
| Storage Temp. | -55~+100°C Design assurance                     |
| Quality Grade | Industrial grade                                |
| Other         | -3dB cutoff frequency 28MHz; Replacing SXLP-25+ |

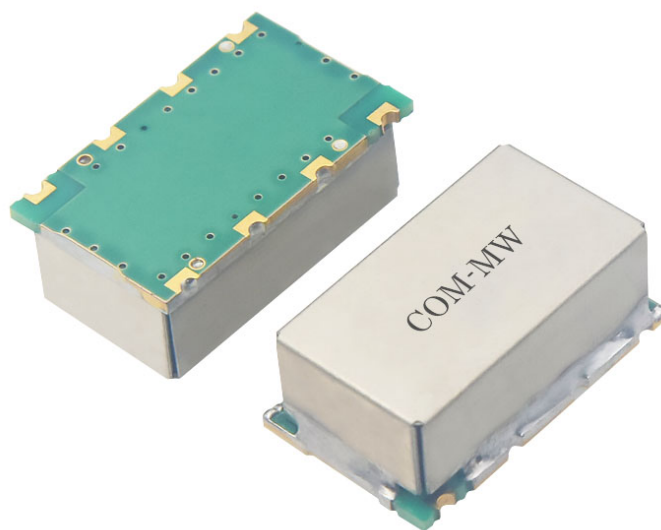
## Port Definition

| I/O Port | 1,8            |
|----------|----------------|
| GND      | 2, 3, 4, 5,6,7 |

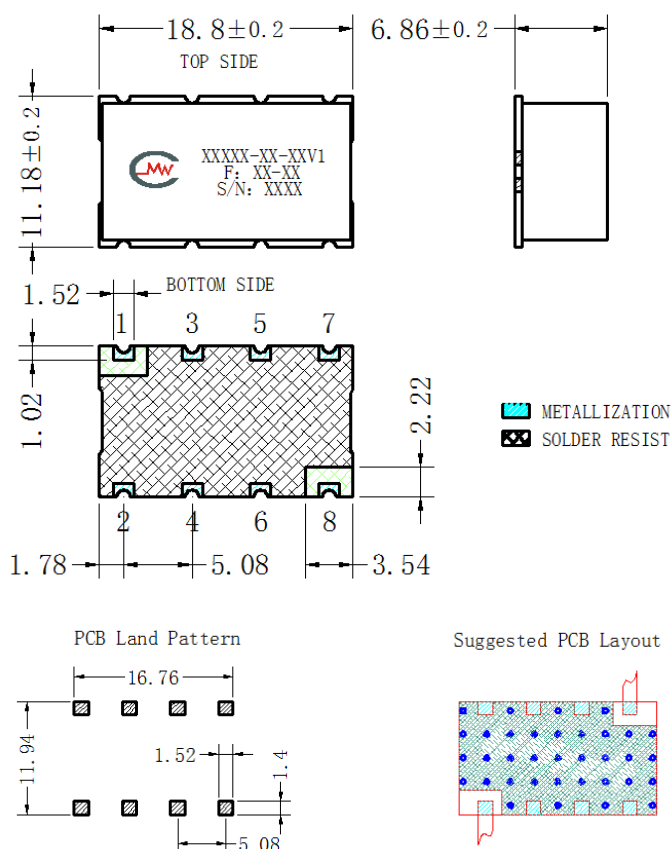
## Functional diagram



## Reference picture



## Configuration(mm)

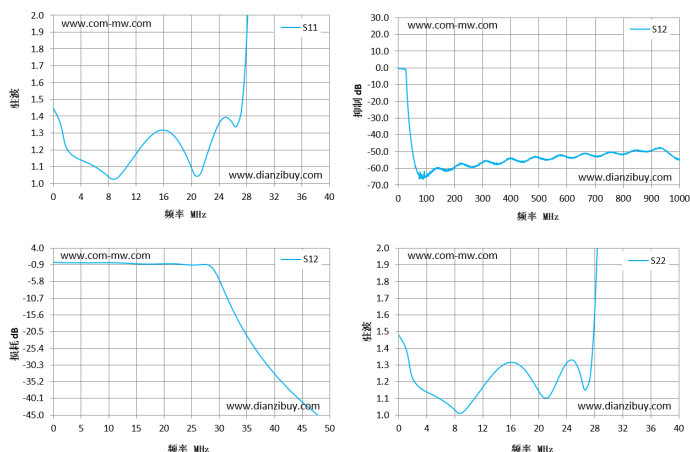


Note: The specifications and performance data contained in this data sheet are based on tests established by CMW.

## Typical test data

| Frequency(MHz) | S11 VSWR | S12 IL dB | S22 VSWR |
|----------------|----------|-----------|----------|
| 0.01           | 1.45     | -0.08     | 1.48     |
| 3              | 1.18     | -0.23     | 1.18     |
| 6              | 1.11     | -0.24     | 1.11     |
| 9              | 1.02     | -0.22     | 1.01     |
| 11             | 1.1      | -0.23     | 1.1      |
| 14             | 1.27     | -0.42     | 1.26     |
| 17             | 1.31     | -0.62     | 1.31     |
| 20             | 1.12     | -0.54     | 1.16     |
| 23             | 1.23     | -0.63     | 1.23     |
| 26             | 1.37     | -0.88     | 1.26     |
| 29             | 2.75     | -1.9      | 2.7      |
| 31             | 5.55     | -6.42     | 5.94     |
| 34             | 8.69     | -16.88    | 8.82     |
| 37             | 11.04    | -25.03    | 10.79    |
| 40             | 16.07    | -31.51    | 15.17    |

## Typical test curve



## Note

|   |                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------|
| 1 | Please do not wash the product in the cleaning solution.,Please do not wash the product in the cleaning solution. |
| 2 | The product supports 190 °C reflow soldering                                                                      |