

## Main specifications

| Parameters        | Min | Typical | Max | Units     |
|-------------------|-----|---------|-----|-----------|
| Frequency         | DC  | ~       | 70  | GHz       |
| IL                |     | 6.6     | 7   | dB@DC-40G |
| IL                |     | 7       | 7.5 | dB@40-70G |
| Isolation         | 5   |         |     | dB        |
| Input VSWR        |     | 1.6     | 2   | @DC-40G   |
| Input VSWR        |     | 1.6     | 2   | @40-70G   |
| Output VSWR       |     | 1.6     | 1.8 | @DC-40G   |
| Output VSWR       |     | 1.6     | 1.8 | @40-70G   |
| Amplitude balance |     |         | 0.4 | dB        |
| Phase balance     |     |         | 5   | °@DC-40G  |
| Phase balance     |     |         | 5   | °@40-70G  |

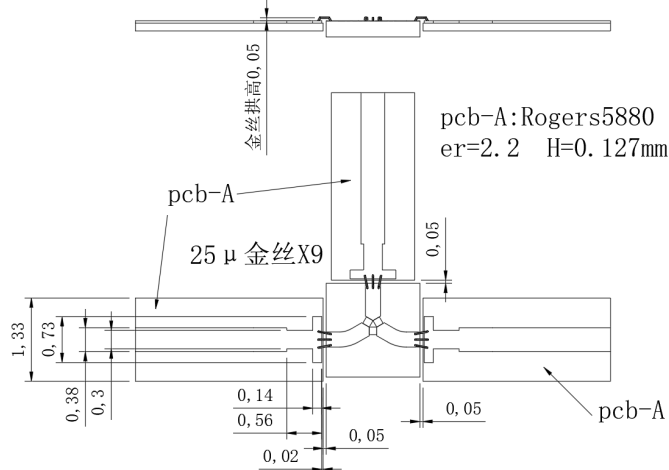
## Other parameters

|                 |                            |
|-----------------|----------------------------|
| Power Capacity  | 0.5W Design assurance      |
| X-Way           | 2-way                      |
| Phase           | 0°                         |
| Impedance       | 50Ω                        |
| Connector       | Microstrip pad             |
| Operation Temp. | -40~+70°C Design assurance |
| Quality Grade   | Industrial grade           |

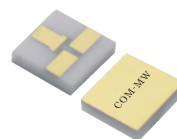
## Port Definition

|               |      |
|---------------|------|
| Common port   | 0    |
| Dispatch Port | 1, 2 |

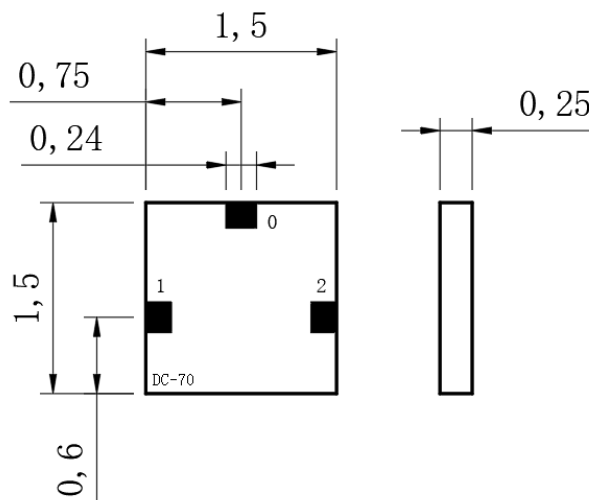
## Suggested PCB Layout



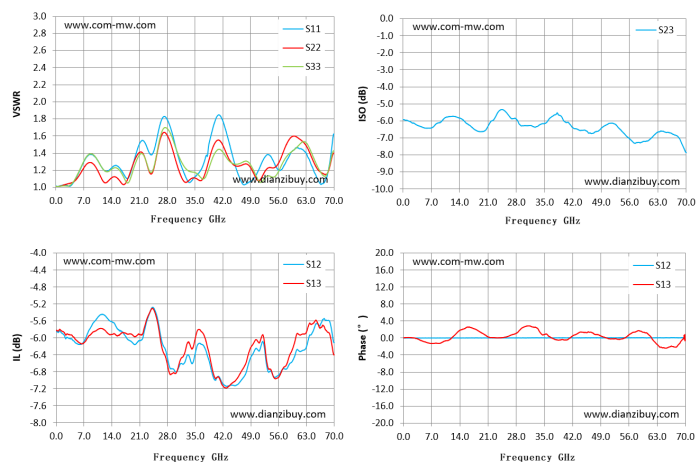
## Reference picture



### Configuration(mm)



## Typical test curve



## Note

- |   |                                                                                              |
|---|----------------------------------------------------------------------------------------------|
| 1 | Clean the surface of the product, do not soak the product in cleaning solution for cleaning. |
| 2 | The product supports 260 °C reflow soldering.                                                |

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

