

**Main specifications**

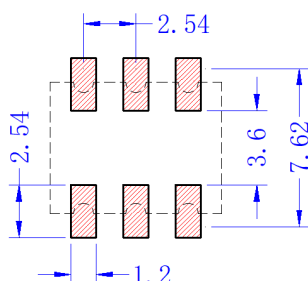
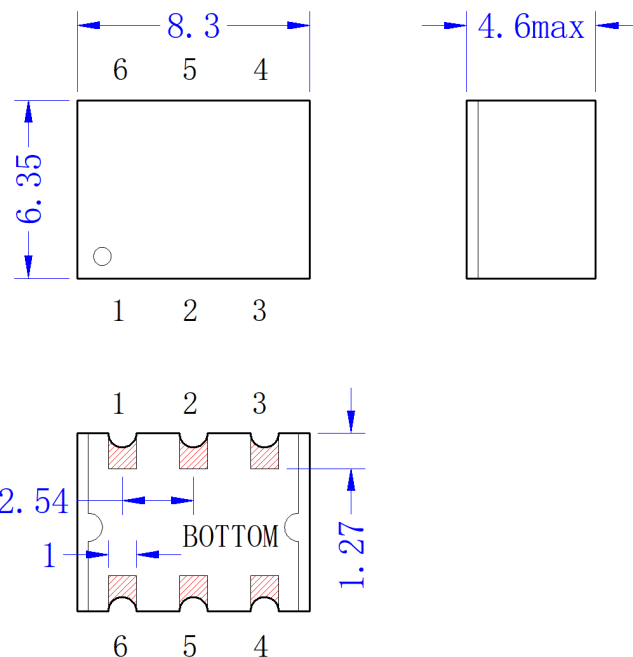
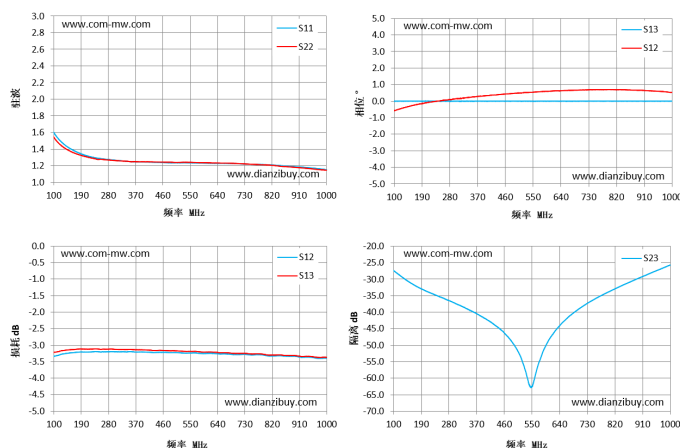
| Parameters        | Min | Typical | Max | Units |
|-------------------|-----|---------|-----|-------|
| Frequency         | 200 | ~       | 900 | MHz   |
| IL                |     | 0.4     | 0.8 | dB    |
| Isolation         | 20  | 27      |     | dB    |
| Input VSWR        |     | 1.5     |     |       |
| Output VSWR       |     | 1.4     |     |       |
| Amplitude balance |     | 0.3     |     | dB    |
| Phase balance     |     | 2       |     | °     |

**Other parameters**

|               |                             |
|---------------|-----------------------------|
| Power         | 1W                          |
| way           | 2-way                       |
| Phase         | 0°                          |
| Impedance     | 50Ω                         |
| Connector     | SMD                         |
| Work Temp.    | -40~+85°C Design assurance  |
| Storage Temp. | -55~+100°C Design assurance |
| Quality Grade | Industrial grade            |
| Other         | Replace ADP-2-9+            |

**Port Definition**

|               |      |
|---------------|------|
| Common port   | 1    |
| Dispatch Port | 3, 4 |
| GND           | 6    |

**Suggested PCB Layout****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 260 °C reflow soldering.

## Typical test data

| Frequency(MHz) | S11<br>VSW<br>R | S22<br>VSW<br>R | S12<br>Loss<br>dB | S12<br>Phas<br>e (°) | S23<br>isolati<br>on dB |
|----------------|-----------------|-----------------|-------------------|----------------------|-------------------------|
| 100            | 1.59            | 1.54            | -3.34             | -0.58                | -27.39                  |
| 164            | 1.38            | 1.35            | -3.23             | -0.25                | -31.61                  |
| 229            | 1.3             | 1.28            | -3.2              | -0.04                | -34.5                   |
| 357            | 1.25            | 1.24            | -3.2              | 0.25                 | -39.8                   |
| 550            | 1.23            | 1.24            | -3.24             | 0.53                 | -62.52                  |
| 614            | 1.23            | 1.23            | -3.25             | 0.6                  | -47.17                  |
| 743            | 1.22            | 1.21            | -3.29             | 0.68                 | -36.61                  |
| 807            | 1.21            | 1.2             | -3.33             | 0.68                 | -33.5                   |
| 936            | 1.17            | 1.16            | -3.36             | 0.6                  | -28.16                  |
| 1000           | 1.15            | 1.14            | -3.4              | 0.52                 | -25.72                  |

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