

## Main specifications

| Parameters        | Min | Typical | Max  | Units |
|-------------------|-----|---------|------|-------|
| Frequency         | 1   | ~       | 18   | GHz   |
| IL                |     |         | 2    | dB    |
| Isolation         | 17  |         |      | dB    |
| Input VSWR        |     |         | 1.4  |       |
| Output VSWR       |     |         | 1.3  |       |
| Amplitude balance |     |         | ±0.5 | dB    |
| Phase balance     |     |         | ±4   | °     |

## Other parameters

| Power                  | 15W Design assurance       |
|------------------------|----------------------------|
| way                    | 4-way                      |
| Phase                  | 0°                         |
| Impedance              | 50Ω                        |
| Connector              | SMA-K                      |
| Connector material     | Stainless steel            |
| Surface                | Conductive oxidation       |
| Product shell material | Aluminium                  |
| Work Temp.             | -40~+70°C Design assurance |
| Quality Grade          | Industrial grade           |

## Port Definition

|               |            |
|---------------|------------|
| Common port   | 0          |
| Dispatch Port | 1, 2, 3, 4 |

## Reference picture

### Configuration(mm)

### 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 | If the temperature is higher than 125°C, consult with us before ordering.                                         |

## Typical test data

| Frequency(GHz) | S11<br>VS<br>WR | S22<br>VS<br>WR | S1<br>2 IL<br>dB | S13<br>Pha<br>se<br>(°) | S23<br>ISO<br>dB |
|----------------|-----------------|-----------------|------------------|-------------------------|------------------|
| 1              | 1.29            | 1.08            | -6.3<br>2        | 0.15                    | -23.<br>77       |
| 2.21           | 1.13            | 1.04            | -6.3<br>8        | 0.35                    | -25.<br>51       |
| 3.43           | 1.16            | 1.04            | -6.4<br>8        | 0.61                    | -25.<br>86       |
| 4.64           | 1.15            | 1.08            | -6.5<br>6        | 0.79                    | -27.<br>55       |
| 5.86           | 1.19            | 1.1             | -6.5<br>9        | 0.98                    | -27.<br>24       |
| 7.07           | 1.2             | 1.12            | -6.6<br>7        | 1.3                     | -25.<br>08       |
| 8.29           | 1.22            | 1.08            | -6.7<br>7        | 1.42                    | -26.<br>98       |
| 9.5            | 1.2             | 1.1             | -6.8             | 1.57                    | -25.<br>18       |
| 10.71          | 1.17            | 1.05            | -6.8             | 1.83                    | -27.<br>96       |
| 11.93          | 1.15            | 1.09            | -6.8<br>8        | 2.07                    | -25.<br>54       |
| 13.14          | 1.11            | 1.17            | -7.0<br>2        | 2.07                    | -25.<br>46       |
| 14.36          | 1.12            | 1.14            | -7.1<br>3        | 2.15                    | -22.<br>35       |
| 15.57          | 1.11            | 1.11            | -7.2<br>8        | 2.05                    | -22.<br>36       |
| 16.79          | 1.08            | 1.1             | -7.3<br>2        | 2.09                    | -21.<br>38       |
| 18             | 1.2             | 1.18            | -7.4<br>6        | 2.19                    | -18.<br>29       |

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