

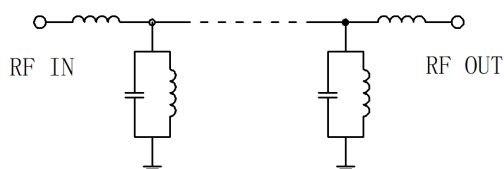
## Main specifications

| Parameters    | Frequency | /          | Min | Typical | Max | Units |
|---------------|-----------|------------|-----|---------|-----|-------|
| Passband      | /         | /          | 33  | ~       | 38  | GHz   |
| Passband IL   | /         | /          |     |         | 1.5 | dB    |
| Ripple        | /         | /          |     |         | 1   | dB    |
| Rejection     | DC-31     | GHz $\geq$ | 70  |         |     | dBc   |
| Rejection     | 40-43.5   | GHz $\geq$ | 70  |         |     | dBc   |
| Passband VSWR | /         | /          |     |         | 2   |       |

## Other parameters

|                 |                            |
|-----------------|----------------------------|
| Connector       | 2.92-K                     |
| Impedance       | 50 $\Omega$                |
| Surface         | Black                      |
| Power Capacity  | 5W Design assurance        |
| Operation Temp. | -40~+70°C Design assurance |
| Storage Temp.   | -55~+85°C Design assurance |
| Quality Grade   | Industrial grade           |

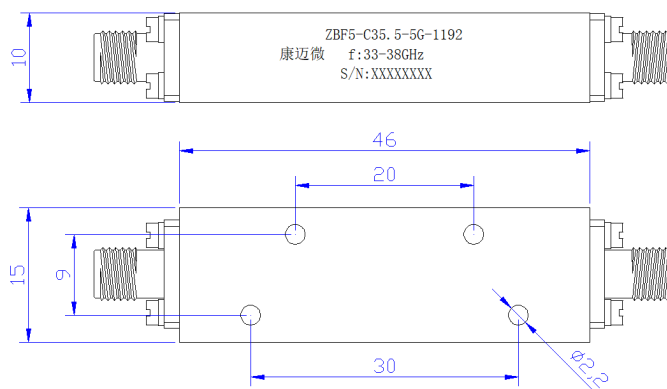
## Functional diagram



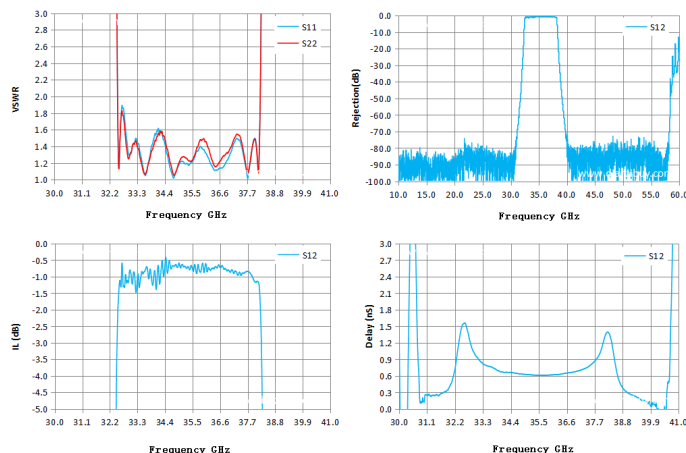
## Reference picture



## Configuration(mm)



## Typical test curve



## Note

- 1 Clean the surface of the product, do not soak the product in cleaning solution for cleaning.
- 2 If the temperature is higher than 125°C, consult with us before ordering.

## Typical test data

| Frequency GHz | S11<br>VSWR | S22<br>VSWR | S12<br>IL dB | S12<br>Rej. | S12<br>Delay<br>nS |
|---------------|-------------|-------------|--------------|-------------|--------------------|
| 30.00         | 43.34       | 34.10       | -90.8<br>1   | -90.<br>81  | 1.88               |
| 30.79         | 40.47       | 37.50       | -89.6<br>9   | -89.<br>69  | 0.43               |
| 31.57         | 34.13       | 42.31       | -56.1<br>6   | -56.<br>16  | 0.24               |
| 32.36         | 16.26       | 16.12       | -12.0<br>5   | -12.<br>05  | 1.19               |
| 33.14         | 1.42        | 1.43        | -0.91        | -0.9<br>1   | 0.90               |
| 33.93         | 1.44        | 1.37        | -1.22        | -1.2<br>2   | 0.69               |
| 34.71         | 1.05        | 1.10        | -0.66        | -0.6<br>6   | 0.64               |
| 35.50         | 1.21        | 1.23        | -0.77        | -0.7<br>7   | 0.61               |
| 36.29         | 1.17        | 1.24        | -0.76        | -0.7<br>6   | 0.63               |
| 37.07         | 1.35        | 1.41        | -0.79        | -0.7<br>9   | 0.69               |
| 37.86         | 1.29        | 1.32        | -0.95        | -0.9<br>5   | 0.97               |
| 38.64         | 24.17       | 21.65       | -26.8<br>5   | -26.<br>85  | 0.55               |
| 39.43         | 45.74       | 40.02       | -58.6<br>7   | -58.<br>67  | 0.20               |
| 40.21         | 69.53       | 50.47       | -77.6<br>1   | -77.<br>61  | 0.01               |
| 41.00         | 72.12       | 28.37       | -87.7<br>4   | -87.<br>74  | 3.28               |

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