

## Product features

Broadband, low loss

## Main specifications

| Parameters     | Min | Typical | Max  | Units |
|----------------|-----|---------|------|-------|
| Frequency      | 10  | ~       | 6000 | MHz   |
| IL             |     |         | 1.2  | dB    |
| Isolation      | 20  |         |      | dB    |
| Main line VSWR |     |         | 1.3  |       |
| feed-voltage   |     | 50      |      | V     |
| Feed current   |     | 500     |      | mA    |

## Other parameters

|                |                                                       |
|----------------|-------------------------------------------------------|
| Connector      | SMA-K inner conductor gold plating thickness 1 micron |
| Feed interface | SMA-K                                                 |
| Impedance      | 50Ω                                                   |
| Power          | 5W RF power                                           |
| Shell Material | Aluminium                                             |
| Work Temp.     | -40~+85°C Design assurance                            |

## Port Definition

|            |       |
|------------|-------|
| RF port    | RF    |
| RF&DC Port | RF&DC |
| DC Port    | DC    |

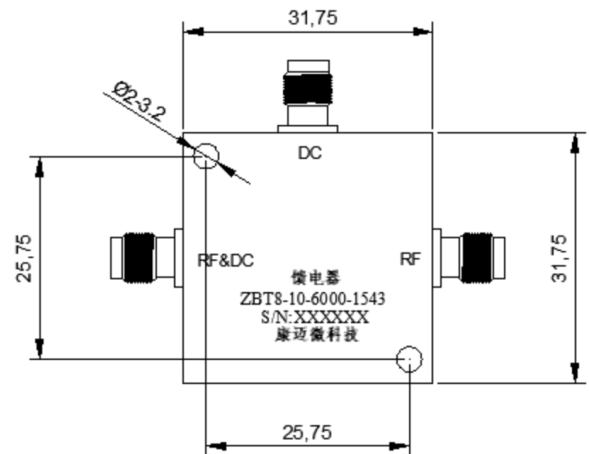
## Typical test data

| F(MHz) | S12IL | S23ISO | S11VSWR |
|--------|-------|--------|---------|
| 10     | -0.01 | -63.2  | 1.08    |
| 100    | -0.02 | -65.2  | 1.02    |
| 1000   | -0.04 | -62.3  | 1.03    |
| 2000   | -0.08 | -54.2  | 1.07    |
| 3000   | -0.23 | -46.4  | 1.17    |
| 4000   | -0.48 | -41.9  | 1.08    |
| 5000   | -0.94 | -39.1  | 1.17    |
| 6000   | -0.91 | -33.7  | 1.21    |
| 7000   | -0.85 | -28.4  | 1.23    |

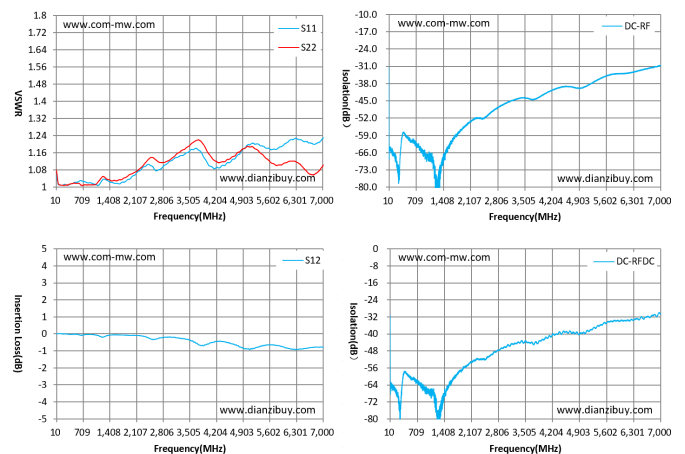
## Reference picture



## 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.                                         |

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