

## Tech specifications

| Parameters | Min | Typical | Max  | Units |
|------------|-----|---------|------|-------|
| Frequency  | DC  | ~       | 26.5 | GHz   |
| IL         |     |         | 0.7  | dB    |
| Isolation  |     | 70      |      | dB    |
| VSWR       |     | 1.4     |      |       |

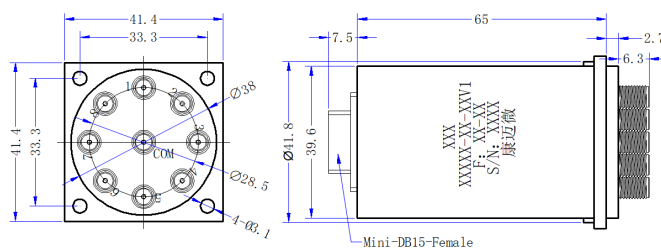
## Other parameters

| Switch way               | SP8T TTL Control                    |
|--------------------------|-------------------------------------|
| Switching characteristic | Mechanical reflective switch        |
| Switch time              | 15ms                                |
| Connector                | 2.92-K                              |
| Impedance                | 50Ω                                 |
| Power Capacity           | 20W@6GHz; 15W@18GHz;<br>10W@26.5GHz |
| Working voltage          | +24V                                |
| Working current          | 160mA                               |
| Operation Temp.          | -40~+85°C Design assurance          |
| Other                    | Control port: miniDB15<br>Female    |

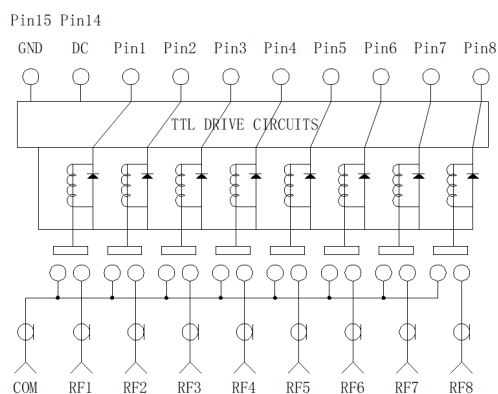
## Reference picture



## Configuration(mm)



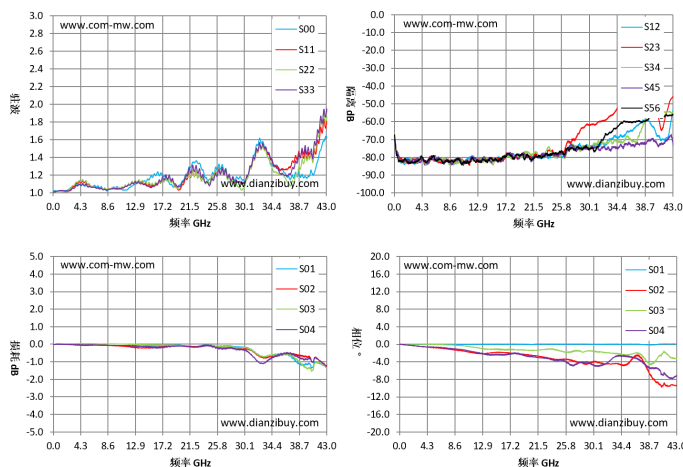
## Control circuit diagram



## Port Definition

|                |                        |
|----------------|------------------------|
| Common port    | COM                    |
| Branching port | 1, 2, 3, 4, 5, 6, 7, 8 |

## Typical test curve



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

## Typical test data

| Frequency (G) | S00<br>VS<br>WR | S11<br>VS<br>WR | S0<br>1<br>IL | S1<br>2<br>IS<br>O | S04<br>Phase |
|---------------|-----------------|-----------------|---------------|--------------------|--------------|
| 0.1           | 1.02            | 1.01            | -0.01         | -66.7              | 0.01         |
| 6             | 1.07            | 1.06            | -0.03         | -79.81             | -0.7         |
| 12            | 1.06            | 1.08            | -0.21         | -79.28             | -1.86        |
| 18            | 1.14            | 1.13            | -0.36         | -79.97             | -2.05        |
| 25            | 1.21            | 1.19            | -0.49         | -79.21             | -3.62        |
| 28            | 1.12            | 1.12            | -0.51         | -74.26             | -4.09        |
| 34            | 1.37            | 1.42            | -0.67         | -68.09             | -2.61        |
| 40            | 1.17            | 1.39            | -1.14         | -63.09             | -5.51        |
| 43            | 1.63            | 1.78            | -1.34         | -53.8              | -7.16        |

## 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.                    |