

## Main specifications

| Parameters                | Min | Typical | Max | Units |
|---------------------------|-----|---------|-----|-------|
| Frequency                 | 30  | ~       | 512 | MHz   |
| IL                        |     | 0.4     | 0.8 | dB    |
| Dual Directional coupling | 18  | 19.5    | 21  | dB    |
| Directivity               | 16  | 22      |     | dB    |
| Main line VSWR            |     | 1.25    |     |       |
| Coupled line VSWR         |     | 1.25    |     |       |

## Other parameters

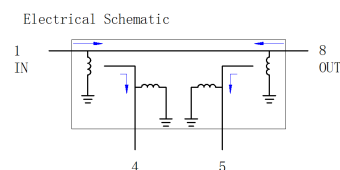
|                 |                             |
|-----------------|-----------------------------|
| Connector       | SMD                         |
| Impedance       | 50Ω                         |
| Power Capacity  | 60W Design assurance        |
| Operation Temp. | -40~+85°C Design assurance  |
| Storage Temp.   | -55~+100°C Design assurance |
| Quality Grade   | Industrial grade            |
| Other           | 替代SYDC-19-52VHP+            |

## Port Definition

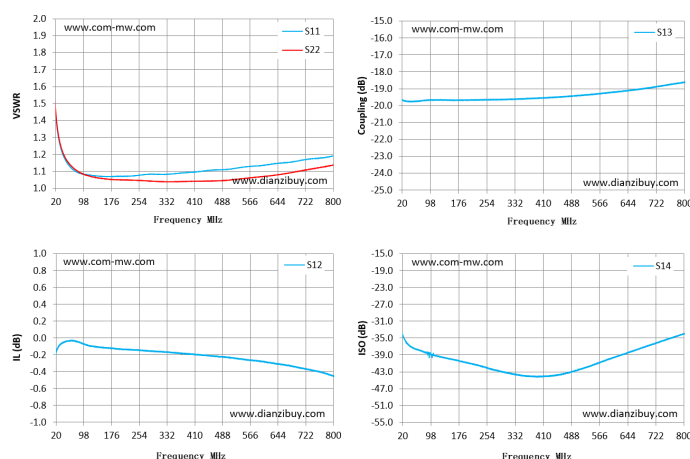
|               |         |     |
|---------------|---------|-----|
| Input port    | 1       | --- |
| Output port   | 8       | --- |
| Coupling port | 4       | --- |
| Isolated Port | 5       | --- |
| GND           | 2,3,6,7 | --- |

## Reference picture

### Configuration(mm)



## Typical test curve



## Note

- 1 Short term soaking and cleaning, please dry in a timely manner.
- 2 The product supports 220 °C reflow soldering.

## Typical test data

| Frequency MHz | S11 VSWR | S22 VSWR | S12 IL (dB) | S13 Coupling | S12 ISO dB |
|---------------|----------|----------|-------------|--------------|------------|
| 20            | 1.45     | 1.46     | -0.18       | -19.64       | -34.2      |
| 76            | 1.1      | 1.11     | -0.04       | -19.7        | -38.18     |
| 131           | 1.08     | 1.06     | -0.1        | -19.65       | -39.59     |
| 187           | 1.07     | 1.05     | -0.13       | -19.66       | -40.59     |
| 243           | 1.08     | 1.05     | -0.14       | -19.65       | -41.79     |
| 299           | 1.09     | 1.04     | -0.17       | -19.64       | -43.16     |
| 354           | 1.09     | 1.04     | -0.18       | -19.59       | -44.03     |
| 410           | 1.1      | 1.04     | -0.2        | -19.54       | -44.02     |
| 466           | 1.11     | 1.04     | -0.22       | -19.46       | -43.57     |
| 521           | 1.12     | 1.05     | -0.24       | -19.37       | -42.19     |
| 577           | 1.13     | 1.06     | -0.27       | -19.26       | -40.51     |
| 633           | 1.15     | 1.08     | -0.3        | -19.13       | -38.84     |
| 689           | 1.16     | 1.09     | -0.34       | -18.98       | -37.22     |
| 744           | 1.18     | 1.12     | -0.39       | -18.8        | -35.62     |
| 800           | 1.19     | 1.14     | -0.45       | -18.6        | -34.05     |

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