

QWSD-19

DPDT, 40~60GHz, WR-19

- | | |
|--|---|
| Features: * Low VSWR * High Isolation * Low Insertion Loss | Applications: * Wireless * Transmitter * Laboratory Test * Radar |
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Electrical

| | |
|-----------------|-------------|
| Frequency: | 40~60GHz |
| Insertion Loss: | 0.2dB max. |
| VSWR: | 1.15 max. |
| Isolation: | 50dB min. |
| Voltage: | 24±2V DC |
| current: | 1.2A@24V DC |

Mechanical

| | |
|-----------------|---------------|
| Interface: | WR-19 (BJ500) |
| Operation Life: | 0.1M Cycles |
| Switching Time: | 50ms |

Environmental

| | |
|----------------------------|------------|
| Operating Temperature: | -40~+85°C |
| Extended Temperature: | -55~+85°C |
| Non-operating temperature: | -55~+105°C |

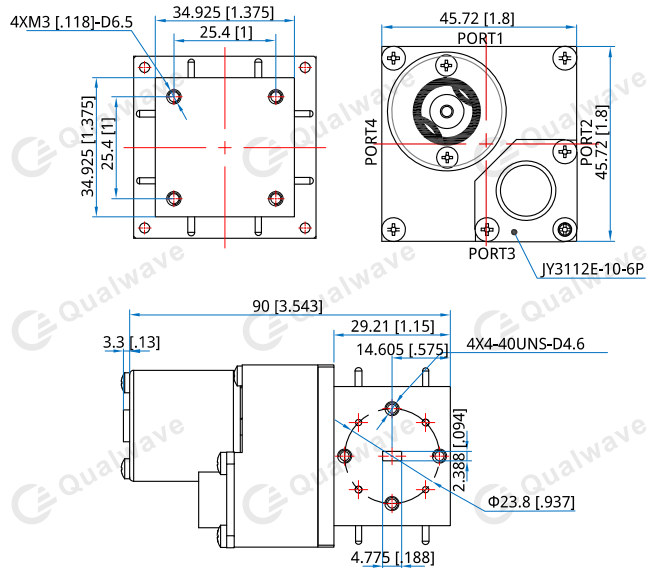
Pin Numbering

| Pin | Function | Pin | Function |
|-----|----------|-----|----------------|
| A | VDC | D | Indicator1 |
| B | GND | E | COM(Indicator) |
| C | VDC | F | Indicator2 |

Control Logic

| Position | A | B | C | RF Working Condition | Indicator status |
|----------|-----|-----|-----|----------------------------------|--------------------|
| POS 1 | VDC | GND | NC | PORT1-PORT2 ON PORT3-PORT4 ON | D-E ON F-E OPEN |
| POS 2 | NC | GND | VDC | PORT1-PORT4 ON PORT3-PORT2 ON | D-E OPEN F-E ON |

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.2mm [±0.008in]

Additional Options

- TTL: T
- Indicators: I
- Extended Temperature: Z

How To Order

QWSD-19-XYZ

- X: Voltage. +15V: F, +24V: K.
- Y: Interface Circular connector: 2.
- Z: Additional Options.

Examples:

To order a Waveguide Switch, DPDT, WR-19, +24V, TTL, Indicators, specify QWSD-19-K2TI.

Customization is available upon request.

Driving Schematic Diagram

