

FWSD-10

DPDT, 75~110GHz, WR-10

Features:
 * Low VSWR
 * High Isolation
 * Low Insertion Loss

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: 75~110GHz
 Insertion Loss: 0.4dB max.
 VSWR: 1.2 max.
 Isolation: 50dB min.
 Voltage: 24±2V DC
 current: 1.2A@24V DC

Mechanical

Interface: WR-10
 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

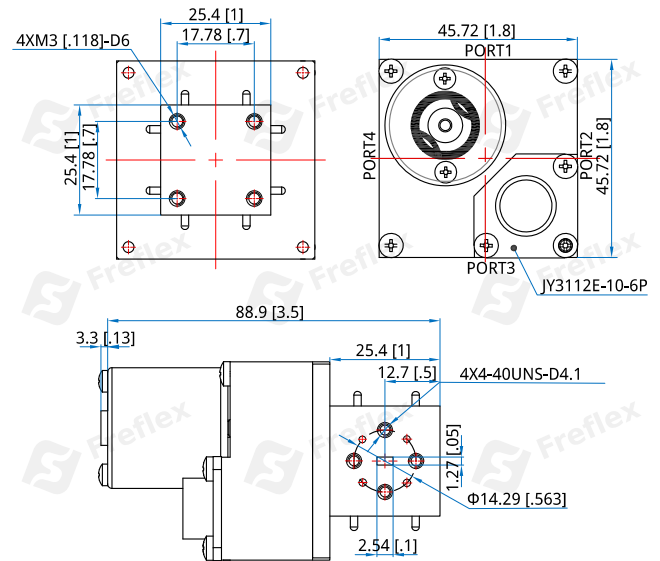
Pin Numbering

| 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

FWSD-10-XYZ
 X: Voltage. +15V: F, +24V: K.
 Y: Interface Circular connector: 2.
 Z: Additional Options.

Examples:

To order a Waveguide Switch, DPDT, WR-10, +24V, TTL, Indicators, specify FWSD-10-K2TI.

Customization is available upon request.

Driving Schematic Diagram

