

## NWSD-18

### DPDT, 40~60GHz, WR-18

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

#### 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-18
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

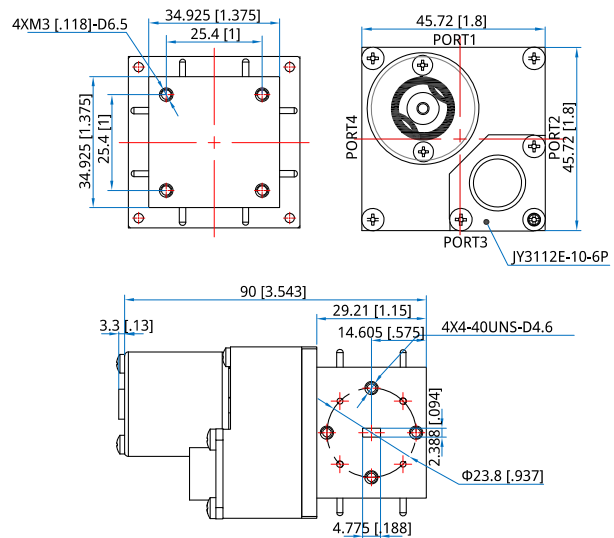
#### Pin Numbering

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

##### NWSD-18-XYZ

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

#### Examples:

To order a Waveguide Switch, DPDT, WR-18, +24V, TTL, Indicators, specify NWSD-18-K2TI.

Customization is available upon request.

