

# QWSD-D180

## DPDT, 18~40GHz, WRD-180

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| <b>Features:</b><br>* Low VSWR<br>* High Isolation<br>* Low Insertion Loss | <b>Applications:</b><br>* Wireless<br>* Transmitter<br>* Laboratory Test<br>* Radar |
|--|---|

### Electrical

Frequency:	18~40GHz
Insertion Loss:	0.4dB max.
VSWR:	1.3 max.
Isolation:	50dB min.
Voltage:	27V±10%
current:	1.5A max.
Power:	1000W

### Environmental

Operating Temperature:	-40~+85°C
Non-operating temperature:	-50~+80°C

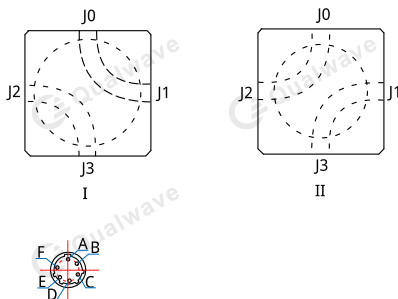
### Pin Numbering

Pin	Function	Pin	Function
A	VDC	D	Connected to microswitch
B	GND	E	Connected to microswitch
C	VDC	F	Connected to microswitch

### Control Logic

Position	A	B	C	RF Working Condition	Indicator status
POS 1	VDC	GND	NC	J0-J1 ON J2-J3 ON	D-E ON
POS 2	NC	GND	VDC	J0-J2 ON J1-J3 ON	E-F ON

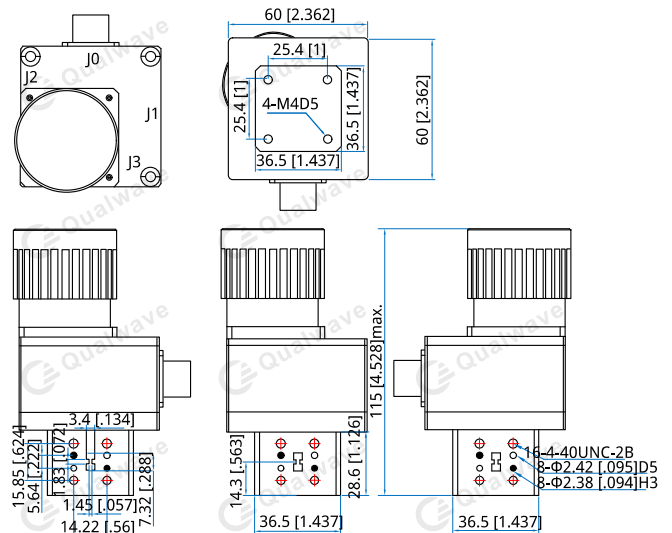
### Driving Schematic Diagram



### Mechanical

Interface:	WRD-180
Flange:	FPWRD180
Control Interface:	JY3114E10-6PN
Switching Time:	120mS

### Outline Drawings



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

### Additional Options

Indicators: I

### How To Order

#### QWSD-D180-XYZ

- X: Voltage. +27V: R
- Y: Interface Circular connector: 2.
- Z: Additional Options.

#### Examples:

To order a Waveguide Switch, DPDT, WRD-180, +27V, specify QWSD-D180-R2.

Customization is available upon request.