

# QWSD-284

## DPDT, 2.6~3.95GHz, WR-284

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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 |
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### Electrical

Frequency:	2.6~3.95GHz
Insertion Loss:	0.1dB max.
VSWR:	1.1 max.
Isolation:	75dB min.
Voltage:	24V±10%
current:	1.5A max.

### Mechanical

Interface:	WR-284 (BJ32)
Flange:	FDP32
Control Interface:	MS3112E10-6P
Switching Time:	120mS max.

### Environmental

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

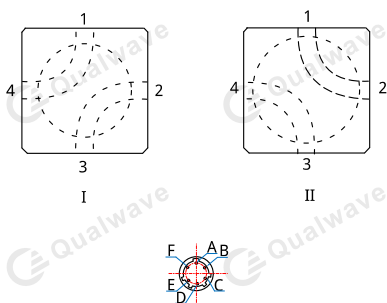
### Pin Numbering

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

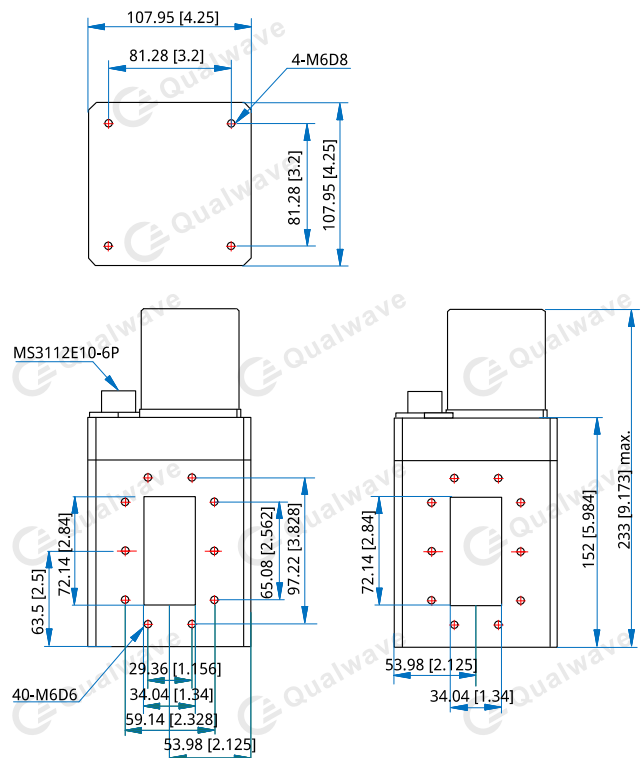
### Control Logic

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

### Driving Schematic Diagram



### Outline Drawings



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

### How To Order

- QWSD-284-XYZ**  
 X: Voltage. +24V: K.  
 Y: Interface Circular connector: 2.  
 Z: Additional Options.

Examples:  
 To order a Waveguide Switch, DPDT, WR-284, +24V, specify QWSD-284-K2.

Customization is available upon request.