

# QWSD-430

## DPDT, 1.7~2.6GHz, WR-430(BJ22)

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

Applications:  
 \* Wireless  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar

### Electrical

Frequency:	1.7~2.6GHz
Insertion Loss:	0.1dB max.
VSWR:	1.1 max.
Isolation:	80dB min.
Voltage:	27V±10%
Current:	2.5A max.

### Mechanical

Interface:	WR-430(BJ22)
Flange:	FDM22
Control Interface:	MS3102E14S-6P
Switching Time:	500mS max.

### Environmental

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

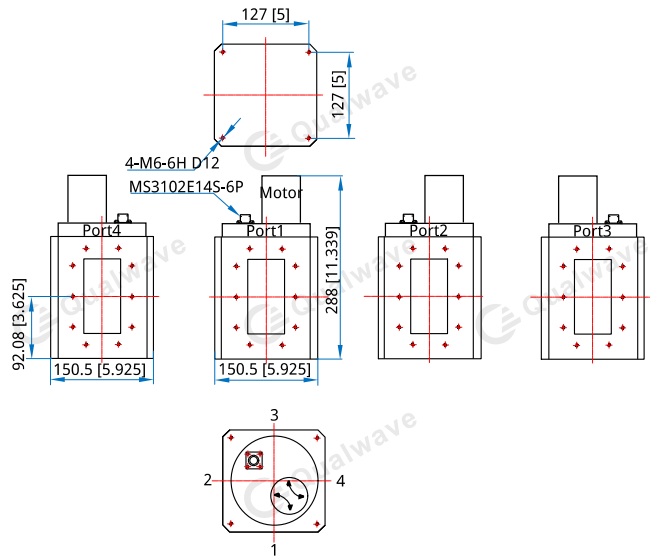
### Pin Numbering

Pin	Function	Pin	Function
A	VDC	D	Connected to microswitch
B	GND	E	GND
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 PORT2-PORT3 ON	E ON
POS 2	NC	GND	VDC	PORT1-PORT2 ON PORT3-PORT4 ON	E ON

### Outline Drawings



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

### Additional Options

Indicators: I

### How To Order

#### QWSD-430-XYZ

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

#### Examples:

To order a Waveguide Switch, DPDT, WR-430, +27V, specify QWSD-430-R2.

Customization is available upon request.

## Driving Schematic Diagram

