

# QWSD-D750

## DPDT, 7.5~18GHz, WRD-750

- |  |   |
|--|---|
| <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:	7.5~18GHz
Insertion Loss:	0.35dB max.
VSWR:	1.15 max.
Isolation:	50dB min.
Voltage:	27V±10%
current:	2.5A max.

### Mechanical

Interface:	WRD-750
Flange:	FPWRD750
Control Interface:	MS3112E10-6P
Switching Time:	120mS max.

### Environmental

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

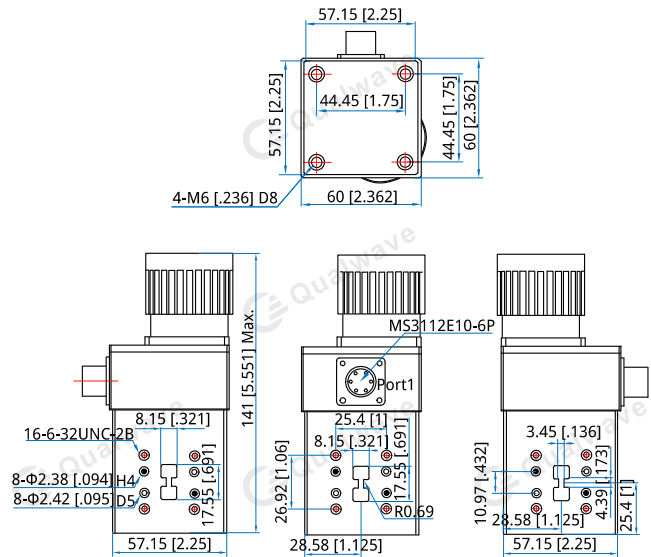
### Pin Numbering

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

### Outline Drawings



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

### Additional Options

Indicators: I

### How To Order

#### QWSD-D750-XYZ

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

#### Examples:

To order a Waveguide Switch, DPDT, WRD-750, +27V, specify QWSD-D750-R2.

Customization is available upon request.

**Driving Schematic Diagram**