

# QMS12S

## DC~16GHz, SP11T~SP12T

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

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

### Electrical

Frequency: DC~16GHz  
 Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC-6	0.3	70	1.3
6-12	0.4	60	1.4
12-16	0.6	50	1.6

Voltage*1 (V)	12	24	28
Current (mA) Normally Open	300	150	140

[1] The voltage can be selected according to user requirements.

### Mechanical

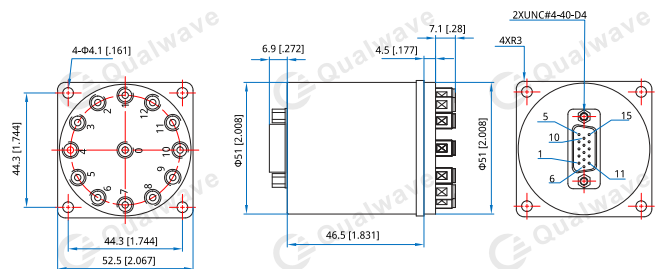
Size\*2: 52.5\*52.5\*46.5mm  
 2.067\*2.067\*1.831in  
 Switching Sequence: Break before Make  
 Switching Time: 15mS max.  
 Operation Life: 2M Cycles  
 Vibration (operating): 20-2000Hz, 10G RMS  
 Mechanical Shock (non-operating): 30G, 1/2sine, 11mS  
 RF Connectors: SMA Female  
 Power Supply & Control Interface Connectors: D-Sub 15/D-Sub 26/J30J-31core  
 Mounting: 4-Φ4.1mm through-hole

[2] Exclude connectors.

### Environmental

Temperature: -25~+65°C  
 Extended Temperature: -45~+85°C

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.5mm [±0.00in]

### Additional Options

TTL: T  
 Indicators: I  
 Extended Temperature: Z  
 Positive Common  
 Waterproof Sealing Type

### How To Order

#### QMS12S-F-WXYZ

F: Frequency in GHz  
 W: Actuator Type. Normally Open: 3  
 X: Voltage. +12V: E, +24V: K, +28V: M.  
 Y: Power Interface. Pin: 0, D-Sub: 1.  
 Z: Additional Options.

Examples:

To order a SPDT switch, DC-16GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS12S-16-3E1TI.

Customization is available upon request.

## Pin Numbering

### Normally Open

Pin	Function	Pin	Function
1~12	V1~V12	14~25	Indicator (1~12)
13	COM	26	Indicator (COM)

### Normally Open & TTL

Pin	Function	Pin	Function
1~12	A1~A12	15~26	Indicator (1~12)
13	VDC	27	Indicator (COM)
14	COM	28~31	NC

## Driving Schematic Diagram

