

# QMS6SH

## DC~26.5GHz, SP3T~SP6T

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

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

### Electrical

Frequency: DC~26.5GHz  
 Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
QMS6SH-18	DC~6	0.25	80	1.20
	6~18	0.35	75	1.30
QMS6SH-26.5	DC~18	0.35	80	1.30
	18~26.5	0.50	70	1.35

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

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

### Mechanical

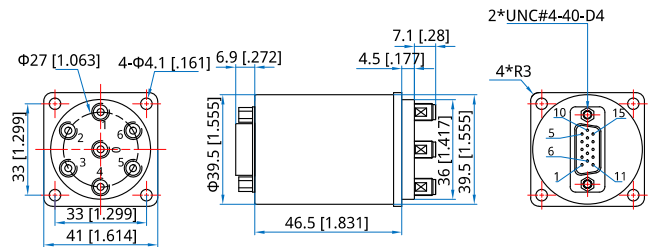
Size\*2: 41\*41\*46.5mm  
 1.614\*1.614\*1.831in  
 Switching Sequence: Break before Make  
 Switching Time: 15mS max.  
 Operation Life: 2M Cycles  
 Vibration (operating): 20-2000Hz, 10G RMS  
 Mechanical Shock (non-operating): 30G, 1/2sine, 11mS  
 RF Connectors: SMA Female  
 Power Supply & Control Interface Connectors: D-Sub 15  
 Mounting: 4-Φ4.1mm through-hole

[2] Exclude connectors.

### Environmental

Temperature: -25~+65°C  
 Extended Temperature: -40~+85°C

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]

### Additional Options

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

### How To Order

**QMSVSH-F-WXYZ**  
 V: 3~6 (SP3T~SP6T)  
 F: Frequency in GHz  
 W: Actuator Type. Normally Open: 3.  
 X: Voltage. +12V: E, +24V: K, +28V: M.  
 Y: Power Interface. D-Sub: 1.  
 Z: Additional Options.

Examples:

To order a SP4T switch, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS4SH-18-3E1TI.

Customization is available upon request.

## Pin Numbering

### Normally Open

Pin	Function	Pin	Function
1~6	V1~V6	14	Indicator (Com)
7	COM	15	NC
8~13	Indicator (1~6)		

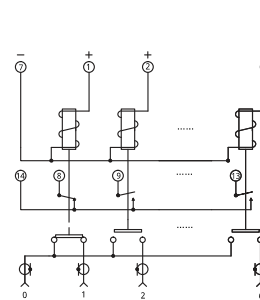
### Normally Open&TTL

Pin	Function	Pin	Function
1~6	A1~A6	9~14	Indicator (1~6)
7	VDC	15	Indicator (Com)
8	COM		

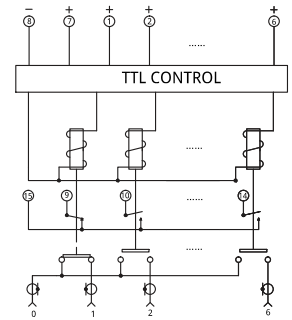
## Port

SP3T	1, 3, 5	SP5T	1~5
SP4T	2~3, 5~6	SP6T	1~6

## Driving Schematic Diagram



Normally Open



Normally Open & TTL