

# QMS6N

## DC~12.4GHz, SP3T~SP6T

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

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

### Electrical

Frequency:		DC~12.4GHz		
Impedance:		50Ω		
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	
DC-5	0.3	70	1.3	
5-12.4	0.5	60	1.5	
Voltage *1(V)		12	24	28
Current (mA)	Normally Open	300	150	140

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

### Mechanical

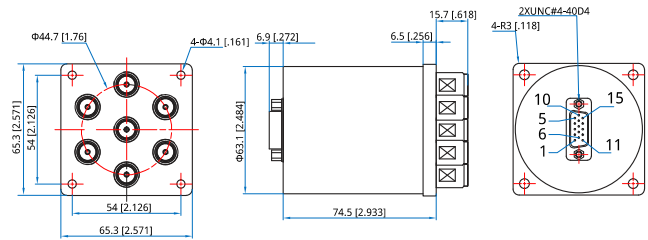
Size*2:	65.3*65.3*74.5mm 2.571*2.571*2.933in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	N Female
Power Supply & Control Interface Connectors:	D-Sub 15
Mounting:	2-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
- Low Intermodulation ( N Only ) : -150dBc or -165dBc

### How To Order

#### QMSUV-F-WXYZ

- U: 3~6 (SP3T~SP6T)
- V: Connector type. N: N, SC: E, TNC: T.
- 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 SP6T switch, N Female, DC-4GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify QMS6N-4-0E1TI.

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

