

QSMS6K

DC~40GHz, SP3T~SP6T

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

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

Electrical

Frequency: DC~40GHz
 Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (W)
DC~6	0.3	70	1.3	40
6~12	0.4	70	1.4	30
12~18	0.5	60	1.5	25
18~26.5	0.7	55	1.7	12
26.5~32	0.8	50	1.8	8
32~40	0.9	50	1.9	5

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

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

TTL	Low Level	High Level	
	0~0.3V	3~5V	1.4mA

Indicator*2	Withstand Voltage (V max.)	Current (mA max.)	Impedance (Ω max.)
	50	100	15

[2] Connect the control terminal VDC&GND before running this function.

Mechanical

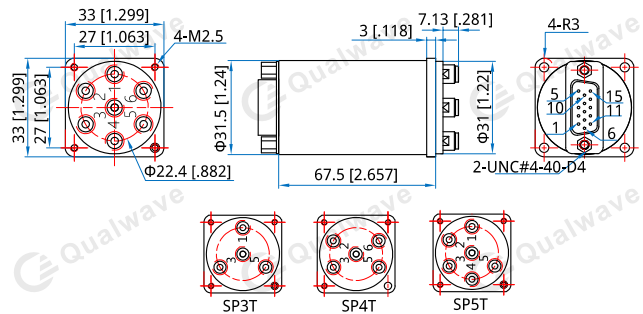
- Size*3: 67.5*33*33mm
 2.657*1.299*1.299in
- Switching Sequence: Break before Make
- Switching Time: 15mS max.
- Operation Life: 2M Cycles
- Vibration (operating): 20-2000Hz, 10G RMS
- Mechanical Shock (non-operating): 50G, 1/2sine, 11mS
- RF Connectors: 2.92mm Female
- Power Supply & Control Interface Connectors: D-Sub 15
- Mounting: 4-M2.5mm

[3] Exclude connectors.

Environmental

Temperature: -25~+65°C
 Extended Temperature: -45~+85°C
 Non-operating Temperature: -55~+85°C

Outline Drawings (Non-TTL/TTL/Indicators)



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

QSMSVS-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 small size switch, DC-40GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QSMS4S-40-3E1TI.

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