

QMS6K

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	
DC-6	0.3	70	1.3	
6-12	0.4	70	1.4	
12-18	0.5	60	1.5	
18-26.5	0.7	55	1.7	
26.5-32	0.8	50	1.8	
32-40	0.9	50	1.9	

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

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

Mechanical

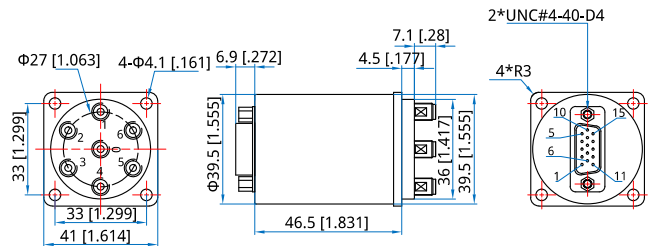
Size*2:	46.5*41*41mm 1.831*1.614*1.614in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 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

- QMSVK-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, DC-40GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS4K-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)		

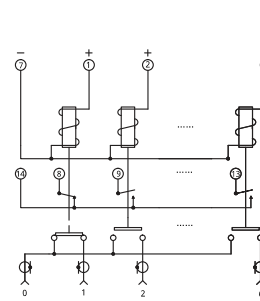
Normally Open&TTL

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

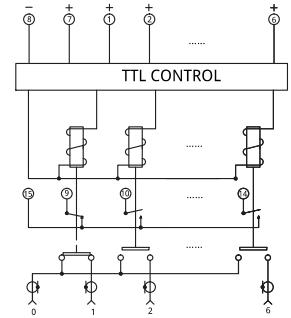
Port

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

Driving Schematic Diagram



Normally Open



Normally Open & TTL