

QMS8ST

DC~26.5GHz, SP7T~SP8T, Terminated

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

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: DC~26.5GHz
 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
12-18	0.5	50	1.5
18-26.5	0.6	50	1.6

Voltage*1 (V)	12	24	28
Current (mA) Normally Open	300	200	180
Latching	320	200	180

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

Mechanical

Size*2: $\Phi 63 \times 60.9\text{mm}$
 $\Phi 2.48 \times 2.398\text{in}$

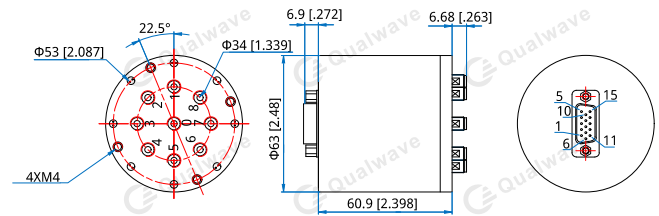
Switching Sequence: Break before Make
 Switching Time: 15mS max.
 Operation Life: 2M Cycles
 Vibration (operating): 20-2000Hz, 10G RMS
 Mechanical Shock (non-operating): 30G, 1/2sine, 11mS
 RF Connectors: SMA Female
 Power Supply & Control Interface Connectors: D-Sub 15/26 male
 Mounting: 4-M4mm

[2] Exclude connectors.

Environmental

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

Outline Drawings



Unit: mm [in]
 Tolerance: $\pm 0.5\text{mm}$ [$\pm 0.02\text{in}$]

Additional Options

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

How To Order

QMSVST-F-WXYZ

V: 7-8 (SP7T~SP8T)
 F: Frequency in GHz
 W: Actuator Type. Latching: 1, Normally Open: 3.
 X: Voltage. +12V: E, +24V: K, +28V: M.
 Y: Power Interface. D-Sub: 1.
 Z: Additional Options.

Examples:

To order a SP7T terminated switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS7ST-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~8	V1~V8	18	Indicator (Com)
9	COM	19	VDC
10~17	Indicator (1~8)	20~26	NC

Normally Open & TTL

Pin	Function	Pin	Function
1~8	A1~A8	11~18	Indicator (1~8)
9	VDC	19	Indicator (Com)
10	COM	20~26	NC

Latching

Pin	Function	Pin	Function
1~8	V1~V8	19	Indicator (Com)
9	VDC (RESET)	20	VDC
10	COM	21~26	NC
11~18	Indicator (1~8)		

Latching switch should power on pin n 9 to reset before excitation.

Latching & TTL

Pin	Function	Pin	Function
1~8	A1~A8	12~19	Indicator (1~8)
9	TTL (RESET)	20	Indicator (Com)
10	VDC	21~26	NC
11	COM		

Driving Schematic Diagram

