

QMS8STH

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

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
QMS8STH-18	DC-6	0.2	80	1.15
	6-18	0.4	70	1.50
QMS8STH-26.5	DC~18	0.45	80	1.40
	18-26.5	0.6	70	1.40

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

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

Mechanical

Size*2: Φ63*50mm

Φ2.48*1.969in

Switching Sequence: Break before Make

Switching Time: 15mS max.

Operation Life: 2M Cycles

Vibration (operating): 20-2000Hz, 10G RMS

Mechanical Shock: 30G, 1/2sine, 11mS

(non-operating):

RF Connectors: SMA Female

Power Supply & Control: D-Sub 15/26 male

Interface Connectors:

Mounting: 4-Φ4.5mm through-hole

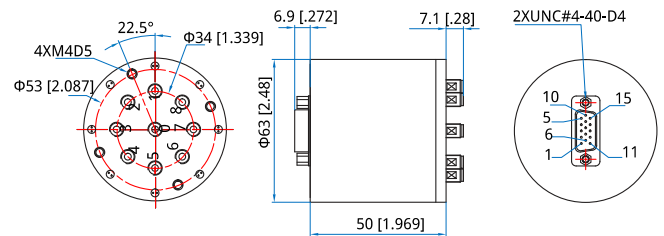
[2] Exclude connectors.

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

QMSVSTH-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, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS7STH-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

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

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	11~18	Indicator (1~8)
9	RESET	19	Indicator (Com)
10	COM	20~26	NC

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	RESET	20	Indicator (Com)
10	VDC	21~26	NC
11	COM		

Driving Schematic Diagram

