

QMS6STH

DC~26.5GHz, SP3T~SP6T, Terminated

Features:
 * High Power
 * Long Operation Life

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: DC~26.5GHz
 Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
QMS6STH-18	DC-6	0.20	80	1.2
	6-18	0.35	70	1.3
QMS6STH-26.5	DC-18	0.40	70	1.3
	18-26.5	0.60	65	1.5

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

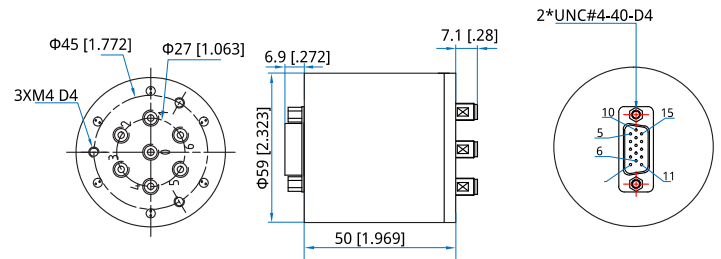
Size*2:	Φ59*50mm Φ2.323*1.969in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15/26
Mounting:	3-Φ4mm 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: 3~6 (SP3T~SP6T)
 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 SP4T terminated switch, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS4STH-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		

Latching

Pin	Function	Pin	Function
1~6	V1~V6	9~14	Indicator (1~6)
7	RESET	15	Indicator (Com)
8	COM		

Latching switch should power on pin 7 to reset before excitation.

Latching & TTL

Pin	Function	Pin	Function
1~6	A1~A6	10~15	Indicator (1~6)
7	RESET	16	Indicator (Com)
8	VDC	17~26	NC
9	COM		

Driving Schematic Diagram

