

QMS2SH

DC~26.5GHz, SPDT

- 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
QMS2SH-18	DC~6	0.20	80	1.1
	6~18	0.35	75	1.2
QMS2SH-26.5	DC~18	0.35	75	1.2
	18~26.5	0.45	70	1.3

Voltage *1(V)	+12	+24	+28
Current (mA) Failsafe	195	100	95
Latching	230	140	120

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

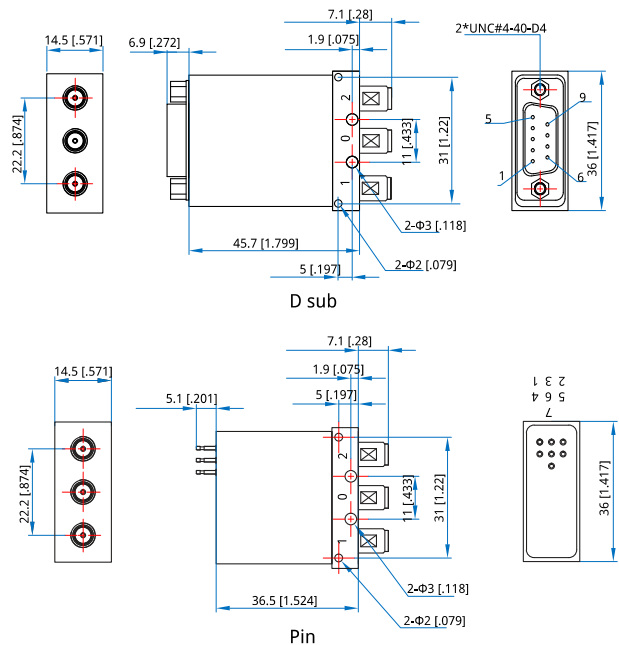
Mechanical

- 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: Feed Through/Terminal Post or D-Sub 9

Environmental

- Temperature: -25~+65°C
- Extended Temperature: -40~+85°C

Outline Drawings



Unit: mm [in]
 Tolerance: ±0.5mm [±0.00in]

Additional Options

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

How To Order

QMS2S-F-WXYZ

- F: Frequency in GHz
- W: Actuator Type. Failsafe: 0, Latching: 1.
- X: Voltage. +12V: E, +24V: K, +28V: M.
- Y: Power Interface. Pin: 0, D-Sub: 1.
- Z: Additional Options.

Examples:

To order a SPDT switch, High performance, DC-18GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify QMS2S-18-0E1TI. Customization is available upon request.

Pin Numbering

Failsafe

Pin	Function	Pin	Function
1	VDC(RF: 0 to 2)	4~5	Indicator (1~2)
2	NC	6	Indicator (COM)
3	COM(RF: 0 to 2)	7~9	NC

Failsafe&TTL

Pin	Function	Pin	Function
1	VDC(RF: 0 to 2)	4~5	Indicator (1~2)
2	A1(RF: 0 to 2)	6	Indicator (COM)
3	COM(RF: 0 to 2)	7~9	NC

Latching

Pin	Function	Pin	Function
1	V1(RF: 0 to 1)	4~5	Indicator (1~2)
2	V2(RF: 0 to 2)	6	Indicator (COM)
3	COM	7~9	NC

Latching&TTL

Pin	Function	Pin	Function
1	VDC	5~6	Indicator (1~2)
2	A1(RF: 0 to 1)	7	Indicator (COM)
3	COM	8~9	NC
4	A2(RF: 0 to 2)		

Driving Schematic Diagram

