QMS2S

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

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC~6	0.2	70	1.2
6~12	0.3	70	1.3
12~18	0.4	60	1.4
18~26.5	0.6	55	1.6

	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.

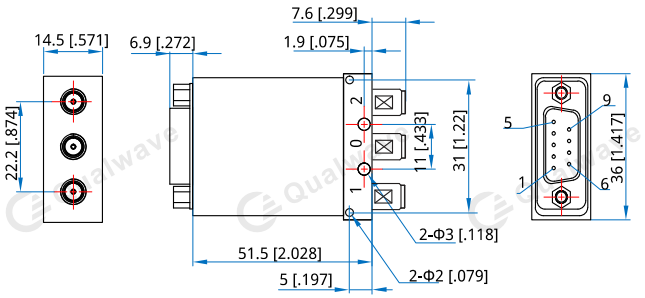
Mechanical

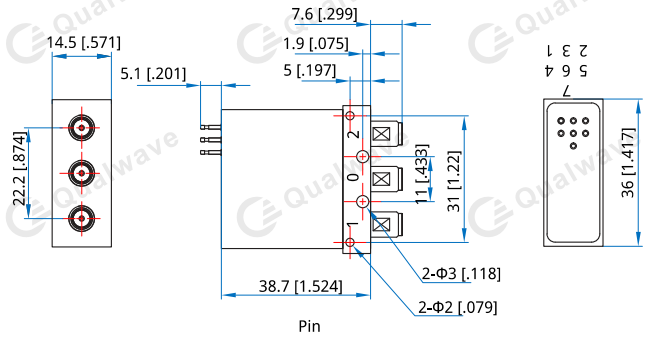
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 9

Environmental

Temperature:	-25~+65℃
Extended Temperature:	-45~+85℃

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, 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