

QMS2E

DC~6GHz, SPDT

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

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: DC~6GHz
 Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC~2	0.2	70	1.15
2~4	0.3	60	1.30
4~6	0.5	60	1.50

Voltage*1 (V)	+12	+18	+24	+28
Current Failsafe (mA)	275	170	130	115
Current Latching (mA)	100	80	70	60

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

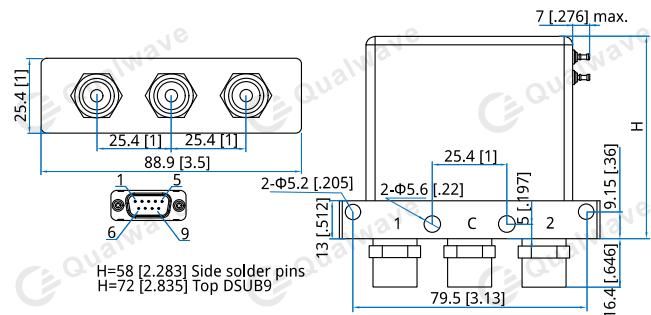
Mechanical

Switching Sequence: Break before Make
 Switching Time: 15mS max.
 Operation Life: 1M Cycles
 Vibration (operating): 20-2000Hz, 10G RMS
 Mechanical Shock (non-operating): 50G, 1/2Sine, 11mS
 RF Connectors: SC Female
 Relative Humidity : 5 to 85%
 Power Supply & Control Interface Connectors: Feed Through/Terminal Post or D-Sub 9

Environmental

Operating Temperature: -25~+65°C
 Extended Temperature: -55~+85°C
 Non-operating Temperature: -55~+70°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

QMS2E-F-WXYZ

F: Frequency in GHz
 W: Actuator Type. Failsafe: 0, Latching: 1.
 X: Voltage. +12V: E, +18V: H, +24V: K, +28V: M.
 Y: Power Interface. Pin: 0, D-Sub: 1.
 Z: Additional Options.

Examples:

To order a SPDT switch, DC-6GHz, Failsafe, +12V, Pin, TTL, Indicators, specify QMS2E-6-0E0TI.

Customization is available upon request.

Pin Numbering

Failsafe

Pin	Function	Pin	Function
1	V1(RF: 0 to 1)	5~6	Indicator (1~2)
2/4/8	NC	7	Indicator (COM)
3	COM	9	VDC

Failsafe&TTL

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

Latching

Pin	Function	Pin	Function
1	V1(RF: 0 to 1)	5~6	Indicator (1~2)
2	V2(RF: 0 to 2)	7	Indicator (COM)
3	COM	9	VDC
4/8	NC		

Latching&TTL

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

Driving Schematic Diagram

