

# QMS24

## 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~3	0.3	70	1.3	
3~4	0.4	60	1.4	
4~6	0.5	60	1.5	
Voltage (V)	+12	+18	+24	+28
Current (mA)	Failsafe	275	170	130
	Latching	100	80	70

### Mechanical

Switching Sequence:	Break before Make
Switching Time:	20mS max.
Operation Life:	1M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2Sine, 11mS
RF Connectors:	4.3-10 Female
Relative Humidity :	5 to 85%
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 9

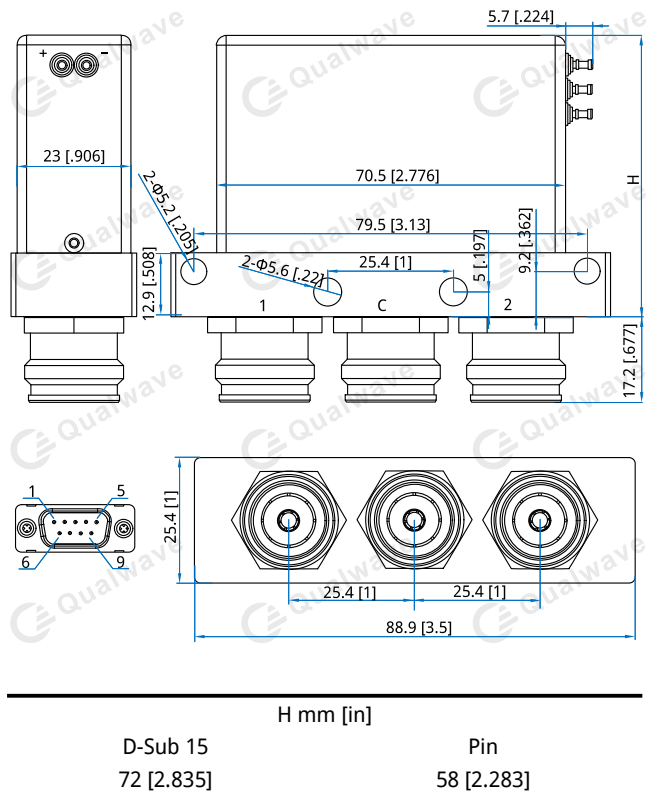
### Environmental

Temperature:	-25~+65°C
Extended Temperature:	-55~+85°C

### Additional Options

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

### Outline Drawings



Unit: mm [in]  
Tolerance: ±0.5mm [±0.02in]

### How To Order

#### QMS24-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 QMS24-6-0E0TI.

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

