

QMS8E

DC~8GHz, SP7T~SP8T

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

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

| Frequency: | | DC~8GHz | | | |
|-----------------------|---------------------|----------------|------|-----|-----|
| 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 | | |
| 4~8 | 0.5 | 50 | 1.5 | | |
| Voltage (V) | | +12 | +18 | +24 | +28 |
| Current (mA) | | Normally Open | 230 | 160 | 140 |

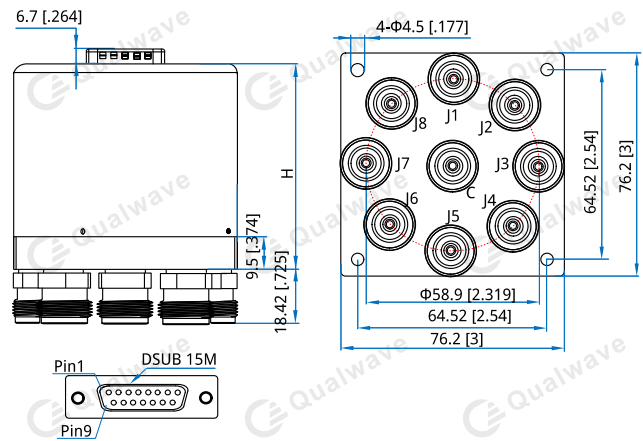
Mechanical

| | |
|--|--|
| 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 15 |

Environmental

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

Outline Drawings



| | | |
|----------|------------|-----------|
| | H mm [in] | |
| Standard | 70 [2.756] | With TTL |
| | | 80 [3.15] |

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

Additional Options

TTL: T
 Extended Temperature: Z
 Positive Common
 Waterproof Sealing Type

How To Order

QMSVS-F-WXYZ

V: 7~8 (SP7T~SP8T)
 F: Frequency in GHz
 W: Actuator Type. Normally Open: 3.
 X: Voltage. +12V: E, +18V: H, +24V: K, +28V: M.
 Y: Power Interface. D-Sub: 1.
 Z: Additional Options.

Examples:

To order a SP8T switch, DC-8GHz, Normally Open, +12V, D-Sub, TTL, specify QMS8E-8-3E1T.

Customization is available upon request.

Pin Numbering

Normally Open

| Pin | Function | Pin | Function |
|-----|----------|-------|----------|
| 1~8 | V1~V8 | 10~15 | NC |
| 9 | COM | | |

Normally Open & TTL

| Pin | Function | Pin | Function |
|-----|----------|-------|----------|
| 1~8 | A1~A8 | 10~14 | NC |
| 9 | COM | 15 | VDC |

Port

| | | | |
|------|-----|------|-----|
| SP7T | 1~7 | SP8T | 1~8 |
|------|-----|------|-----|

Coaxial Switches

Driving Schematic Diagram

