

QMS10ST

DC~26.5GHz, SP9T~SP10T, Terminated

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 | 0.3 | 70 | 1.3 | |
| 6-12 | 0.4 | 60 | 1.4 | |
| 12-18 | 0.5 | 50 | 1.5 | |
| 18-26.5 | 0.7 | 50 | 1.7 | |
| Voltage*1 (V) | | +12 | +24 | +28 |
| Current (mA) | Normally Open | 300 | 200 | 180 |
| | Latching | 320 | 200 | 180 |

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

Mechanical

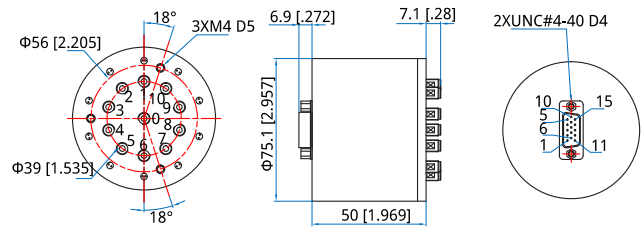
| | |
|--|------------------------------|
| Size*2: | Φ75.1*50mm Φ2.957*1.969in |
| Switching Sequence: | Break before Make |
| Switching Time: | 15mS max. |
| Operation Life: | 2M Cycles |
| Vibration (operating): | 20-2000Hz, 10G RMS |
| Mechanical Shock (non-operating): | 30G, 1/2sine, 11mS |
| RF Connectors: | SMA Female |
| Power Supply & Control Interface Connectors: | D-Sub 15/D-Sub 26 |
| Mounting: | 3-Φ4mm through-hole |

[2] Exclude connectors.

Environmental

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

QMSVST-F-WXYZ

V: 9~10 (SP9T~SP10T)

F: Frequency in GHz

W: Actuator Type. Latching: 1, Normally Open: 3.

X: Voltage. +12V: E, +24V: K, +28V: M.

Y: Power Interface. D-Sub: 1.

Z: Additional Options.

Examples:

To order a SP9T terminated switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS9ST-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

| Pin | Function | Pin | Function |
|-------|------------------|-------|-----------------|
| 1~10 | V1~V10 | 22 | Indicator (Com) |
| 11 | COM | 23~26 | NC |
| 12~21 | Indicator (1~10) | | |

Normally Open & TTL

| Pin | Function | Pin | Function |
|------|----------|-------|------------------|
| 1~10 | A1~A10 | 13~22 | Indicator (1~10) |
| 11 | VDC | 23 | Indicator (Com) |
| 12 | COM | 24~26 | NC |

Latching

| Pin | Function | Pin | Function |
|------|----------|-------|------------------|
| 1~10 | V1~V10 | 13~22 | Indicator (1~10) |
| 11 | RESET | 23 | Indicator (Com) |
| 12 | COM | 24~26 | NC |

Latching switch should power on pin 11 to reset before excitation.

Latching & TTL

| Pin | Function | Pin | Function |
|------|----------|-------|------------------|
| 1~10 | A1~A10 | 14~23 | Indicator (1~10) |
| 11 | RESET | 24 | Indicator (Com) |
| 12 | VDC | 26 | NC |
| 13 | COM | | |

Driving Schematic Diagram

