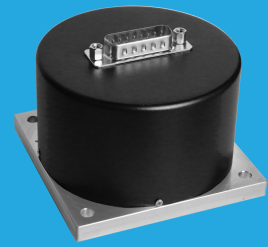


QMS8ST

DC~18GHz, SP7T~SP8T, Terminated

Features:
 * High Power
 * Long Operation Life

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar



Electrical

Frequency: DC~18GHz
 Impedance: 50Ω

| Frequency range (GHz) | Insertion Loss (dB) | Isolation (dB) | VSWR | |
|-----------------------|---------------------|----------------|------|--|
| DC~6 | 0.3 | 80 | 1.3 | |
| 6~12 | 0.4 | 70 | 1.4 | |
| 12~18 | 0.5 | 60 | 1.5 | |

| Voltage (V) | +12 | +18 | +24 | +28 |
|----------------------------|-----|-----|-----|-----|
| Current (mA) Normally Open | 330 | 220 | 167 | 140 |
| Latching | 290 | 225 | 150 | 120 |

Mechanical

Size*1: 64*L*64mm
 2.520*L*2.520in
 Weight: 285g
 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: SMA Female
 Power Supply & Control Interface Connectors: D-Sub 15
 Mounting: 4-Φ4.5mm through-hole

[1] Exclude connectors.

Pin Numbering

| Pin | Function | Pin | Function |
|-----|-----------------------|-------|--------------|
| 1~8 | V1~V8/A1~A8 | 11~14 | NA |
| 9 | COM | 15 | V (TTL Only) |
| 10 | RESET (Latching Only) | | |

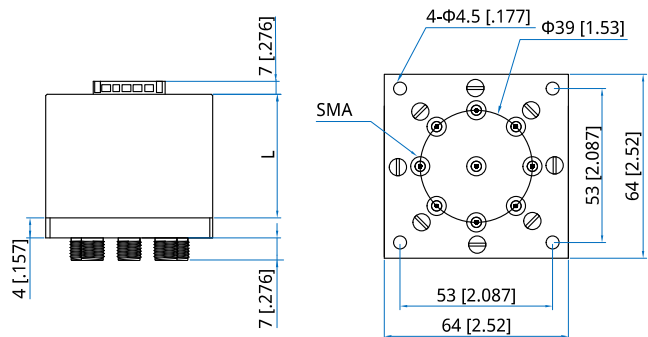
Port

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

Environmental

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

Outline Drawings



| Height (L) | Standard | TTL | Indicator |
|------------|----------|------|-----------|
| mm | 50 | 60 | 65 |
| in | 1.97 | 2.36 | 2.56 |

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

Additional Options

TTL: T Indicators: I Extended Temperature: Z

How To Order

QMSVST-F-WXYZ

V: 7~8 (SP7T~SP8T)
 F: Frequency in GHz
 W: Actuator Type. Latching: 1, 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 SP7T terminated switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify QMS7ST-18-3E1TI.

Customization is available upon request.