

QMSD2S DC~18GHz, DPDT

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 | 0.2 | 70 | 1.3 | | |
| 6~12 | 0.25 | 70 | 1.4 | | |
| 12~18 | 0.4 | 60 | 1.5 | | |
| Voltage (V) | | +12 | +18 | +24 | +28 |
| Current (mA) | Failsafe | 380 | 280 | 200 | 180 |
| | Latching | 400 | 240 | 180 | 230 |

Mechanical

| | |
|--|---------------------------------------|
| Size*1: | 54.9*L*33.5mm 2.161*L*1.319in |
| Weight: | 120g |
| 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: | Feed Through/Terminal Post or D-Sub 9 |
| Mounting: | 3-Φ3.8mm through-hole |

[1] Exclude connectors.

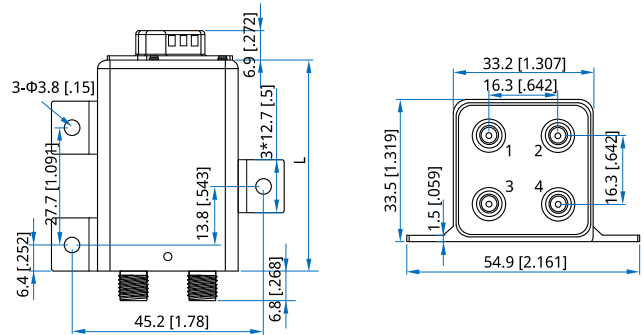
Pin Numbering

| Pin | Function | Pin | Function |
|-----|----------------------------------|-----|-----------------|
| 1 | V1/A1 (1-3, 2-4) | 5~6 | Indicator (1~2) |
| 2 | V2/A2 ((1-2, 3-4, Latching Only) | 7 | COM (Indicator) |
| 3 | COM | 9 | V |
| 4/8 | NA | | |

Environmental

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

Outline Drawings



| Height (L) | Standard | TTL | Indicator |
|------------|----------|------|-----------|
| mm | 47 | 53 | 60 |
| in | 1.85 | 2.09 | 2.36 |

Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Additional Options

TTL: T Indicators: I Extended Temperature: Z

How To Order

QMSD2S-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 DPDT switch, DC-18GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify QMSD2S-18-0E1TI.

Customization is available upon request.