

QMS8N 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 Max.)	Isolation (dB Max.)	VSWR (Max.)	Power (W)
DC~5	0.3	70	1.3	350
5~8	0.5	60	1.5	300

Voltage*1 (V)	12	24	28
Current (mA) Normally Open	300	150	140

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

TTL	Low Level 0~0.3V	High Level 3~5V	1.4mA
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Indicators*2	Voltage (V max.) 50	Current Capacity (mA max.) 100	Impedance (Ω) 15
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[2] Connect the control terminal VDC & GND before running this function.

Mechanical

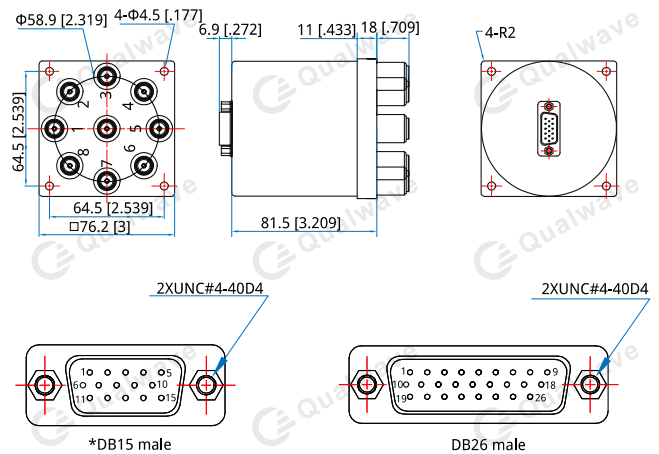
Size*3: 76.2*76.2*81.5mm
 3*3*3.209in
 Switching Sequence: Break before Make
 Switching Time: 15mS max.
 Operation Life: 2M Cycles
 Vibration (operating): 20-2000Hz, 10G RMS
 Mechanical Shock (non-operating): 50G, 1/2sine, 11mS
 RF Connectors: N Female
 Power Supply & Control Interface Connectors: D-Sub 15/26 Male
 Mounting: 4-Φ4.5mm through hole

[3] Exclude connectors.

Environmental

Operating Temperature: -25~+65°C
 Extended Temperature: -45~+85°C
 Non-operating Temperature: -55~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

*No indication, control interface DB15 Male.

Additional Options

TTL: T
 Indicators: I
 Extended Temperature: Z
 Positive Common

How To Order

QMSVN-F-WXYZ

V: 7~8 (SP7T~SP8T)
 F: Frequency in GHz
 W: Actuator Type. Normally Open: 3.
 X: Voltage. +12V: E, +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, Indicators, specify QMS8N-8-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~8	V1~V8	18	Indicator (COM)
9	COM	19	VDC
10~17	Indicator (1~8)	20~26	NC

Normally Open & TTL

Pin	Function	Pin	Function
1~8	TTL	11~18	Indicator (1~8)
9	VDC	19	Indicator (COM)
10	COM	20~26	NC