

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.)
DC~3	0.4	70	1.5
3~8	0.7	60	1.7
Voltage (V)		+12	+24
Current (mA Max.)	Normally Open	350@25°C	150@25°C

Mechanical

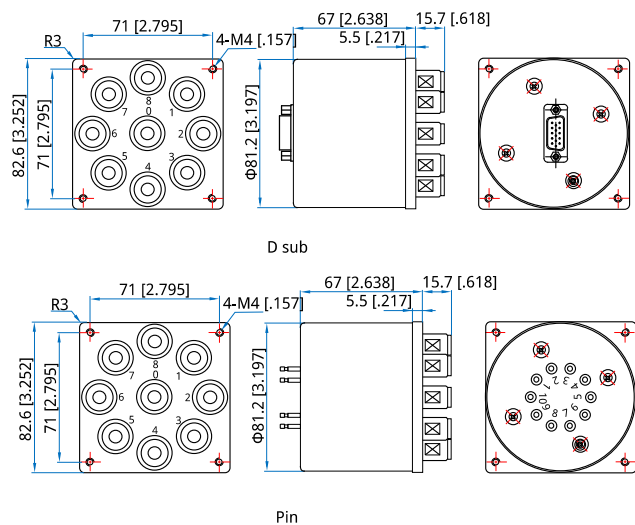
Size ^{*1} :	67*82.6*82.6mm 2.638*3.252*3.252in
Switching Sequence:	Break before Make
Switching Time:	20mS max.
Operation Life:	1M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	N Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 15/26 Male
Mounting:	4-M4mm through hole

[1] Exclude connectors.

Environmental

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

Outline Drawings



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

Additional Options

TTL: T
 Indicators: I
 Positive Common
 Waterproof Sealing Type

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.
 Y: Power Interface. Pin: 0, 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

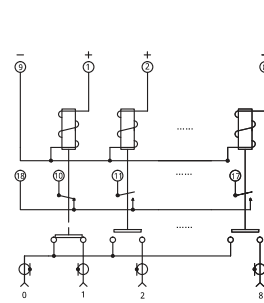
Normally Open

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

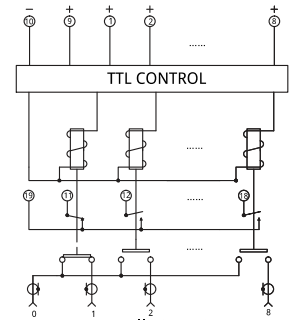
Normally Open & TTL

Pin	Function	Pin	Function
1~8	A1~A8	11~18	Indicator (1~8)
9	VDC	19	Indicator (COM)
10	COM	20~26	NC

Driving Schematic Diagram



Normally Open



Normally Open & TTL