

FMS8N

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	High Level
	0~0.3V	3~5V
		1.4mA

Indicators*2	Voltage (V max.)	Current Capacity (mA max.)	Impedance (Ω)
	50	100	15

[2] Connect the control terminal VDC & GND before running this function.

Mechanical

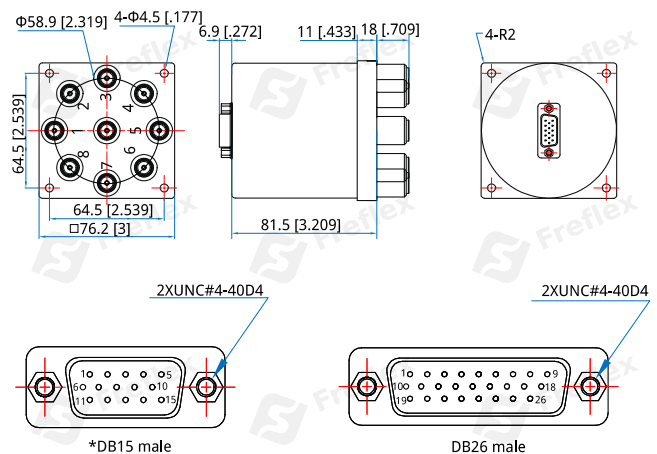
Size*3:	76.2*76.2*81.5mm 3*3*3.209in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2sine, 11mS
RF Connectors:	N Female
Power Supply & Control Interface Connectors:	D-Sub 15/26 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 FMS8N-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