

FMS8E

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)	Isolation (dB)	VSWR
DC~3	0.3	70	1.3
3~4	0.4	60	1.4
4~8	0.5	50	1.5

Voltage (V)	+12	+18	+24	+28
Current (mA) Normally Open	230	160	140	120

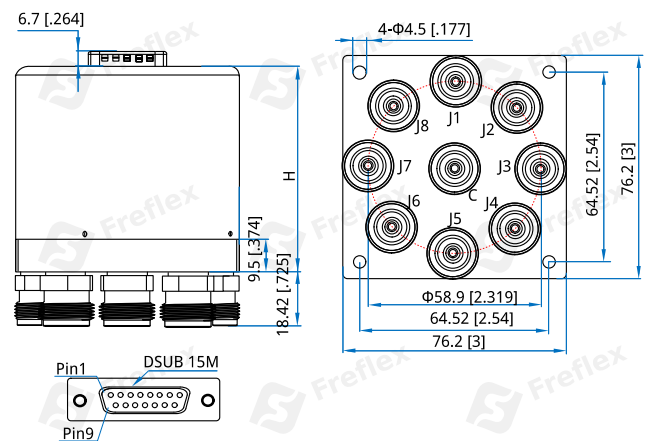
Mechanical

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:	SC Female
Relative Humidity:	5 to 85%
Power Supply & Control	Feed Through/Terminal Post
Interface Connectors:	or D-Sub 15

Environmental

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

Outline Drawings



	H mm [in]
Standard	70 [2.756]
With TTL	80 [3.15]

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

Additional Options

TTL: T
Extended Temperature: Z
Positive Common
Waterproof Sealing Type

How To Order

FMSVS-F-WXYZ

V: 7~8 (SP7T~SP8T)

F: Frequency in GHz

W: Actuator Type. 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 SP8T switch, DC-8GHz, Normally Open, +12V, D-Sub, TTL, specify FMS8E-8-3E1T.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~8	V1~V8	10~15	NC
9	COM		

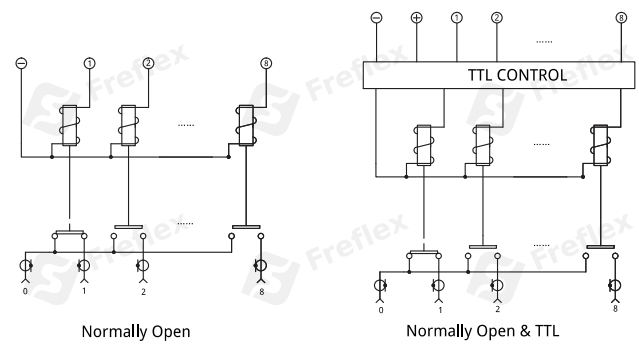
Normally Open & TTL

Pin	Function	Pin	Function
1~8	A1~A8	10~14	NC
9	COM	15	VDC

Port

SP7T	1~7	SP8T	1~8
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Driving Schematic Diagram



Coaxial Switches