

## FMS8S-1

DC~18GHz, SP8T, USB Control

### Features:

- \* Low VSWR
- \* Low Insertion Loss
- \* High Isolation

### Applications:

- \* Wireless
- \* Transmitter
- \* Laboratory Test
- \* Radar

### Electrical

Frequency: DC~18GHz  
Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC~4	0.2	75	1.2
4~8	0.3	65	1.3
8~12.4	0.4	60	1.4
12.4~18	0.6	60	1.6

Voltage\*1 (V) +12

Current (mA) Normally Open 290

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

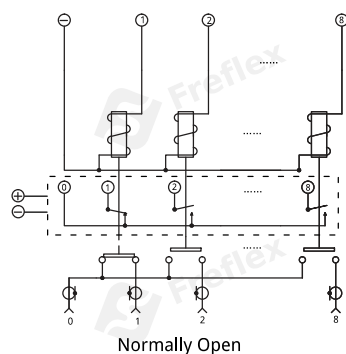
### Mechanical

Switching Sequence: Break before Make  
Switching Time: 15mS max.  
Operation Life: 2M Cycles  
Vibration (operating): 20-2000Hz, 10G RMS  
Mechanical Shock: 50G, 1/2Sine, 11mS (non-operating):  
RF Connectors: SMA Female  
Relative Humidity : 5 to 85%  
Power Supply & Control: USB  
Interface Connectors:

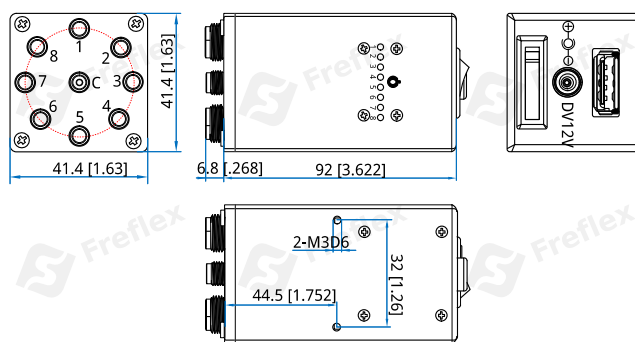
### Environmental

Temperature: -25~+65°C

### Driving Schematic Diagram



### Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

### Additional Options

Indicators: I

### How To Order

**FMS8S-1-F-WXYZ**

F: Frequency in GHz

W: Actuator Type. Normally Open: 3.

X: Voltage. +12V: E

Y: Power Interface. USB: 3.

Z: Additional Options.

### Examples:

To order a SP8T switch, DC-18GHz, Normally Open, +12V, USB, Indicators, specify FMS8S-1-18-3E3I.

Customization is available upon request.