

FMS27

DC~4GHz, SPDT

Features:

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

Applications:

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

Electrical

Frequency: DC~4GHz
Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (W)
DC~1	0.3	70	1.3	4000
1~4	0.5	60	1.5	3000

Voltage*1 (V)

28

Current (mA)

Normally Open

400

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

TTL	Low Level	High Level	
	0~0.3V	3~5V	20mA

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.

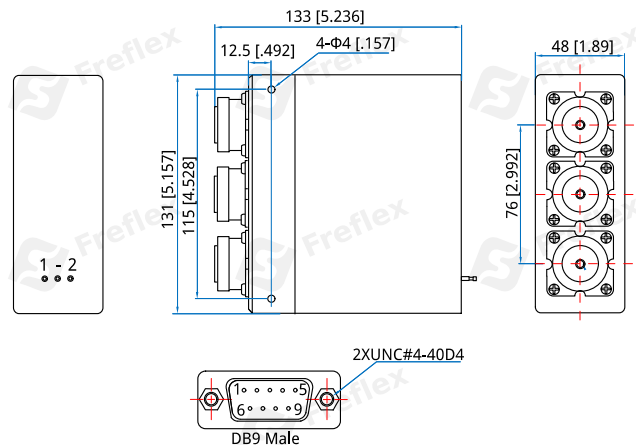
Mechanical

Switching Sequence:	Break before Make
Switching Time:	50mS max.
Operation Life:	1M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2Sine, 11mS
RF Connectors:	7/16 DIN Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 9

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]

Additional Options

TTL: T

Indicators: I

Extended Temperature: Z

Positive Common

How To Order

FMS27-F-WXYZ

F: Frequency in GHz

W: Actuator Type. Normally Open: 3.

X: Voltage. +28V: M.

Y: Power Interface. Pin: 0, D-Sub: 1.

Z: Additional Options.

Examples:

To order a SPDT switch, DC-4GHz, Normally Open, +28V, D-Sub, TTL, Indicators, specify FMS27-4-3M1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1	V1 (RF: 1 to 0)	6	Indicator (COM)
2	V2 (RF: 2 to 0)	7	VDC
3	COM	8~9	NC
4~5	Indicator (1~2)		

Normally Open&TTL

Pin	Function	Pin	Function
1	VCD	5~6	Indicator (1~2)
2	TTL (RF: 1 to 0)	7	Indicator (COM)
3	COM	8~9	NC
4	TTL (RF: 2 to 0)		

Driving Schematic Diagram

