

FMS8K

DC~40GHz, SP7T~SP8T

Features:

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

Applications:

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

Electrical

Frequency: DC~40GHz
Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (W)
DC-6	0.3	70	1.3	40
6-12	0.4	60	1.4	30
12-18	0.5	55	1.5	25
18-26.5	0.7	50	1.7	12
26.5-32	0.8	50	1.8	8
32-40	0.9	50	1.9	5

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 max.)
	50	100	15

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

Mechanical

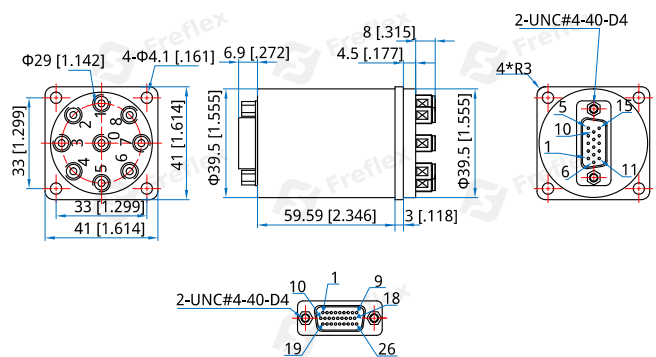
Size* ³ :	41*41*59.59mm 1.614*1.614*2.346in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 15 Male/D-Sub 26 Male
Mounting:	4-Φ4.1mm through-hole

[3] Exclude connectors.

Environmental

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

Waterproof Sealing Type

How To Order

FMSVK-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-40GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS8K-40-3E1TI.

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