

FMS6K

DC~40GHz, SP3T~SP6T

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	70	1.4	30
12-18	0.5	60	1.5	25
18-26.5	0.7	55	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

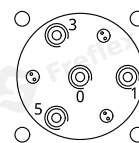
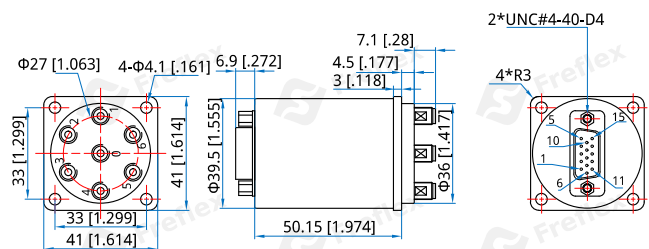
Size* ³ :	41*41*50.15mm 1.614*1.614*1.974in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 15
Mounting:	4-Φ4.1mm through-hole

[3] Exclude connectors.

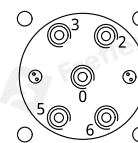
Environmental

Temperature: -25~+65°C
Extended Temperature: -45~+85°C
Non-operating Temperature: -55~+85°C

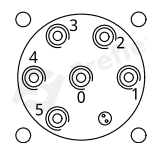
Outline Drawings



SP3T



SP4T



SP5T

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: 3~6 (SP3T~SP6T)

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 SP4T switch, DC-40GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS4K-40-3E1TI.

Customization is available upon request.

Numbering

Normally Open

Pin	Function	Pin	Function
1~6	V1~V6	14	Indicator (Com)
7	COM	15	NC
8~13	Indicator (1~6)		

Normally Open&TTL

Pin	Function	Pin	Function
1~6	A1~A6	9~14	Indicator (1~6)
7	VDC	15	Indicator (Com)
8	COM		

Port

SP3T	1, 3, 5	SP5T	1~5
SP4T	2~3, 5~6	SP6T	1~6