

FMS8KT

DC~40GHz, SP7T~SP8T, Terminated

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
DC-12	0.5	70	1.4
12-18	0.6	60	1.5
18-26.5	0.8	55	1.7
26.5-40	1.1	50	2.0

Voltage*1 (V)		12	24	28
Current (mA)	Normally Open	300	200	180
	Latching	320	200	180

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

Mechanical

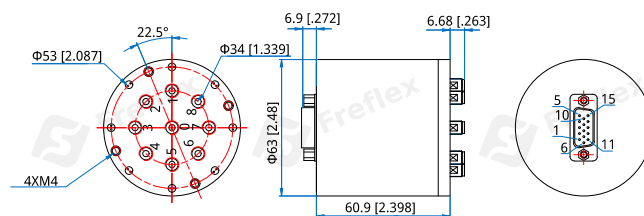
Size*2:	Φ63*60.9mm Φ2.48*2.398in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 15/26 male
Mounting:	4-M4

[2] Exclude connectors.

Environmental

Temperature:	-25~+65℃
Extended Temperature:	-45~+85℃

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

FMSVKT-F-WXYZ

V: 7~8 (SP7T~SP8T)

F: Frequency in GHz

W: Actuator Type. Latching: 1, Normally Open: 3.

X: Voltage. +12V: E, +24V: K, +28V: M.

Y: Power Interface. D-Sub: 1.

Z: Additional Options.

Examples:

To order a SP7T terminated switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS7KT-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~8	V1~V8	18	Indicator (Com)
9	COM	19	VDC
10~17	Indicator (1~8)	20~26	NC

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

Latching

Pin	Function	Pin	Function
1~8	V1~V8	19	Indicator (Com)
9	VDC (RESET)	20	VDC
10	COM	21~26	NC
11~18	Indicator (1~8)		

Latching switch should power on pin n 9 to reset before excitation.

Latching & TTL

Pin	Function	Pin	Function
1~8	A1~A8	12~19	Indicator (1~8)
9	RESET	20	Indicator (Com)
10	VDC	21~26	NC
11	COM		

Driving Schematic Diagram

