

FMS6KTH

DC~43.5GHz, SP3T~SP6T, Terminated

Features:

- * High Power
- * Long Operation Life

Applications:

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

Electrical

Frequency: DC~43.5GHz

Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
FMS6KTH-40	DC-26.5	0.5	80	1.5
	26.5-40	0.7	70	1.6
FMS6KTH-43.5	DC-40	0.4	70	1.3
	40-43.5	1.0	55	1.7

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: Φ59*61.5mm

Φ2.323*2.421in

Switching Sequence: Break before Make

Switching Time: 15mS max.

Operation Life: 2M Cycles

Vibration (operating): 20-2000Hz, 10G RMS

Mechanical Shock: 30G, 1/2sine, 11mS

(non-operating):

RF Connectors: 2.92mm Female

Power Supply & Control: D-Sub 15/26

Interface Connectors:

Mounting: 3-Φ4mm through-hole

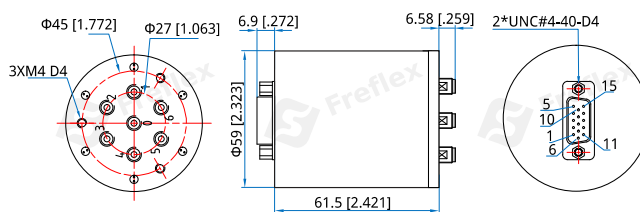
[2] Exclude connectors.

Environmental

Temperature: -25~+65°C

Extended Temperature: -45~+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

FMSVKTTH-F-WXYZ

V: 3~6 (SP3T~SP6T)

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 SP4T terminated switch, High performance, DC-40GHz,

Normally Open, +12V, D-Sub, TTL, Indicators, specify

FMS4KTH-40-3E1TI.

Customization is available upon request.

Pin 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		

Latching

Pin	Function	Pin	Function
1~6	V1~V6	15	Indicator (Com)
7	V (RESET)	16	VDC
8	COM	17~26	NC
9~14	Indicator (1~6)		

Latching switch should power on pin 7 to reset before excitation.

Latching & TTL

Pin	Function	Pin	Function
1~6	A1~A6	10~15	Indicator (1~6)
7	RESET	16	Indicator (Com)
8	VDC	17~26	NC
9	COM		

Driving Schematic Diagram

