

FMS10STH

DC~26.5GHz, SP9T~SP10T, Terminated

Features:

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

Applications:

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

Electrical

Frequency: DC~26.5GHz
Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
FMS10STH-18	DC-6	0.20	70	1.15
	6-18	0.50	50	1.30
FMS10STH-26.5	DC-18	0.45	80	1.40
	18-26.5	0.60	70	1.40

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

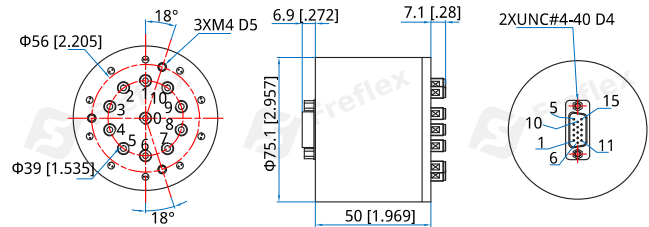
Size*2:	Φ75.1*50mm Φ2.957*1.969in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15/D-Sub 26
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

FMSVSTH-F-WXYZ

V: 9~10 (SP9T~SP10T)

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 SP9T terminated switch, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS9STH-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~10	V1~V10	22	Indicator (COM)
11	COM	23	VDC
12~21	Indicator (1~10)	24~26	NC

Normally Open&TTL

Pin	Function	Pin	Function
1~10	A1~A10	13~22	Indicator (1~10)
11	VDC	23	Indicator (Com)
12	COM	24~26	NC

Latching

Pin	Function	Pin	Function
1~10	V1~V10	23	Indicator (Com)
11	RESET	24	VDC
12	COM	25~26	NC
13~22	Indicator (1~10)		

Latching switch should power on pin 11 to reset before excitation.

Latching&TTL

Pin	Function	Pin	Function
1~10	A1~A10	14~23	Indicator (1~10)
11	RESET	24	Indicator (Com)
12	VDC	25~26	NC
13	COM		

Driving Schematic Diagram

