

FMS8STH

DC~26.5GHz, SP7T~SP8T, 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
FMS8STH-18	DC-6	0.2	80	1.15
	6-18	0.4	70	1.50
FMS8STH-26.5	DC~18	0.45	80	1.40
	18-26.5	0.6	70	1.40

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

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

Mechanical

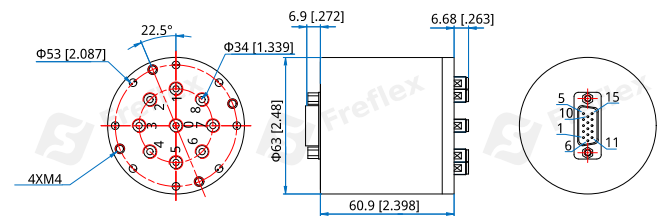
Size*2:	Φ63*50mm Φ2.48*1.969in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15/26 male
Mounting:	4-Φ4.5mm 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: 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, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS7STH-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

