

FMS12ST

DC~18GHz, SP11T~SP12T, Terminated

Features:

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

Applications:

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

Electrical

Frequency: DC~18GHz
Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (w)
DC-6	0.3	70	1.3	80
6-12	0.4	60	1.5	60
12-18	0.6	50	1.6	50

Voltage*1 (V)	12	24	28
Normally Open	300	200	180
Latching	320	200	180
Latching (RESET)	3840	2400	2160

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

TTL	Low Level 0~0.3V	High Level 3~5V	1.4mA
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Indicators*2	Voltage (V max.)	Current Capacity (mA max.)	Impedance (Ω)
	50	100	15

[2] Connect the control terminal VDC & GND before running this function.

Mechanical

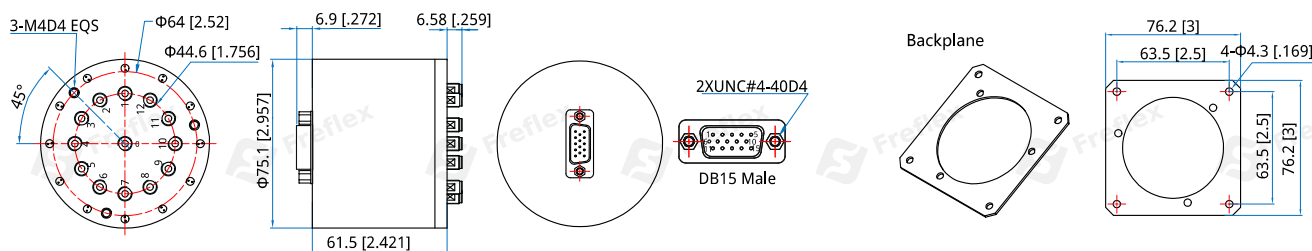
Size*3: Φ75.1*61.5*mm
Φ2.9557*2.421in
Switching Sequence: Break before Make
Switching Time: 15ms max.
Operation Life: 2M Cycles
Vibration (operating): 20-2000Hz, 10G RMS
Mechanical Shock (non-operating): 50G, 1/2sine, 11ms
RF Connectors: SMA Female
Power Supply & Control: D-Sub 15
Interface Connectors:
Mounting: 3-M4mm depth 4

[3] Exclude connectors.

Environmental

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

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

Additional Options

TTL: T

Indicators: I

Extended Temperature: Z

Positive Common

Numbering

Normally open

Pin	Function	Pin	Function
1~12	V1~V12	14~15	NC
13	COM		

Normally open & TTL

Pin	Function	Pin	Function
1~12	TTL	14	COM
13	VDC	15	NC

Latching

Pin	Function	Pin	Function
1~12	V1~V12	14	COM
13	RESET	15	NC

Latching switch should power on pin 13 to reset before excitation.

Latching & TTL

Pin	Function	Pin	Function
1~12	TTL	14	VDC
13	RESET	15	COM

Latching switch should power on pin 13 to reset before excitation.

How To Order

QMSVST-F-WXYZ

V: 11~12 (SP11T~SP12T)

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 SP12T terminated switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify FMS12ST-18-3E1TI.

Customization is available upon request.