

FMS2T

DC~12.4GHz, SPDT

Features:

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

Applications:

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

Electrical

Frequency:		DC~12.4GHz			
Impedance:		50Ω			
Frequency range (GHz)		Insertion Loss (dB)	Isolation (dB)		VSWR
DC~2		0.20	80		1.15
2~4		0.25	80		1.20
4~12.4		0.50	60		1.50
Voltage (V)		+12	+18	+24	+28
Current (mA)	Failsafe	275	170	130	115
	Latching	100	80	70	60

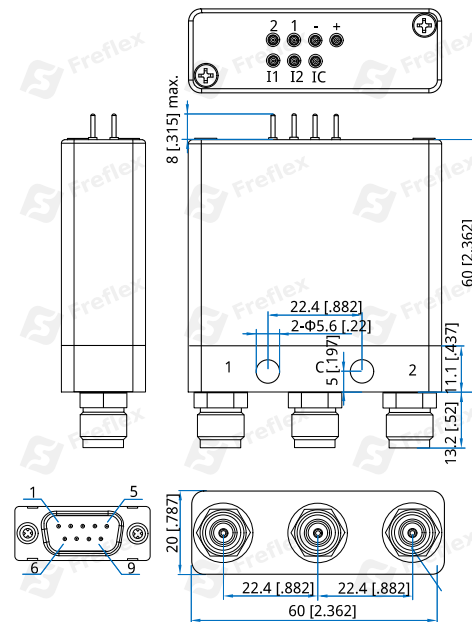
Mechanical

Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	1M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2Sine, 11mS
RF Connectors:	TNC Female
Relative Humidity :	5 to 85%
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 9

Environmental

Temperature:	-25~+65°C
Extended Temperature:	-55~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

FMS2T-F-WXYZ

F: Frequency in GHz

W: Actuator Type. Failsafe: 0, Latching: 1.

X: Voltage. +12V: E, +18V: H, +24V: K, +28V: M.

Y: Power Interface. Pin: 0, D-Sub: 1.

Z: Additional Options.

Additional Options

TTL: T

Indicators: I

Extended Temperature: Z

Positive Common

Waterproof Sealing Type

Examples:

To order a SPDT switch, DC-12.4GHz, Failsafe, +12V, Pin, TTL, Indicators, specify FMS2T-12.4-0E0TI.

Customization is available upon request.

Pin Numbering

Failsafe

Pin	Function	Pin	Function
1	V1(RF: 0 to 1)	5~6	Indicator (1~2)
2/4/8	NC	7	Indicator (COM)
3	COM	9	VDC

Failsafe&TTL

Pin	Function	Pin	Function
1	A1(RF: 0 to 1)	5~6	Indicator (1~2)
2/4/8	NC	7	Indicator (COM)
3	COM	9	VDC

Latching

Pin	Function	Pin	Function
1	V1(RF: 0 to 1)	5~6	Indicator (1~2)
2	V2(RF: 0 to 2)	7	Indicator (COM)
3	COM	9	VDC
4/8	NC		

Latching&TTL

Pin	Function	Pin	Function
1	A1(RF: 0 to 1)	5~6	Indicator (1~2)
2	A2(RF: 0 to 2)	7	Indicator (COM)
3	COM	9	VDC
4/8	NC		

Coaxial Switches

Driving Schematic Diagram

