

FMS24

DC~6GHz, SPDT

Features:

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

Applications:

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

Electrical

Frequency: DC~6GHz
Impedance: 50Ω

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC~3	0.3	70	1.3
3~4	0.4	60	1.4
4~6	0.5	60	1.5

Voltage (V)	+12	+18	+24	+28
Current Failsafe (mA)	275	170	130	115
Latching (mA)	100	80	70	60

Mechanical

Switching Sequence:	Break before Make
Switching Time:	20mS max.
Operation Life:	1M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2Sine, 11mS
RF Connectors:	4.3-10 Female
Relative Humidity :	5 to 85%
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 9

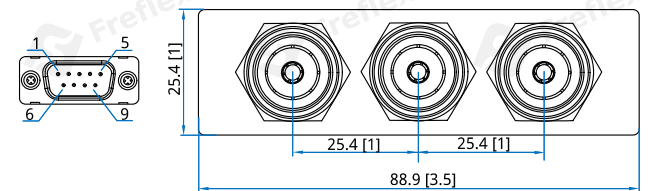
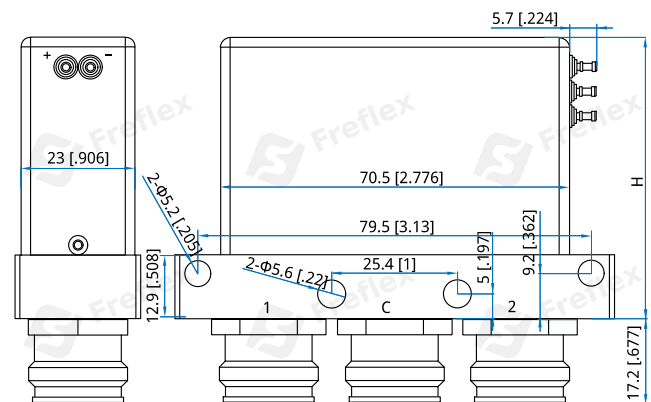
Environmental

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

Additional Options

TTL: T
Indicators: I
Extended Temperature: Z
Positive Common
Waterproof Sealing Type

Outline Drawings



H mm [in]	Pin
D-Sub 15 72 [2.835]	58 [2.283]

Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

How To Order

FMS24-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.

Examples:

To order a SPDT switch, DC-6GHz, Failsafe, +12V, Pin, TTL, Indicators, specify FMS24-6-0E0TI.

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		

Driving Schematic Diagram

