

FMS12N

DC~1GHz, SP9T~SP12T

Features:

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

Applications:

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

Electrical

Frequency: DC~1GHz
Impedance: 50Ω

Frequency range*1 (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC-1	0.2	70	1.2

[1] Higher frequency ranges are available upon request.

Voltage (V)	Current (mA)	Normally Open	+12	+18	+24	+28
			120	90	70	60

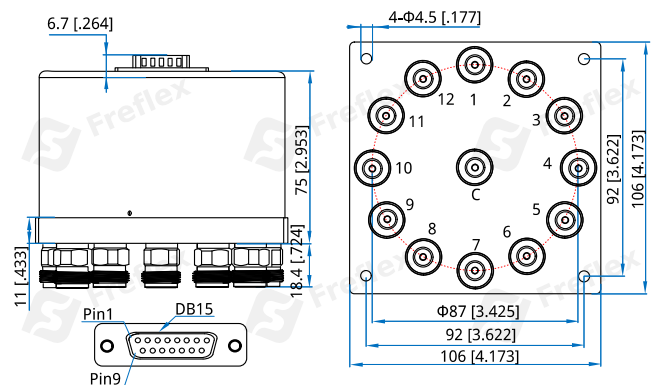
Mechanical

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:	N Female
Relative Humidity:	5 to 85%
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post or D-Sub 15

Environmental

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

Outline Drawings



Dimensions without TTL

Unit: mm [in]

Tolerance: ±0.5mm [±0.00in]

Additional Options

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

How To Order

FMSVN-F-WXYZ

V: 9~12 (SP9T~SP12T)

F: Frequency in GHz

W: Actuator Type. Normally Open: 3

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 SP12T switch, DC-1GHz, Normally Open, +12V, D-Sub, TTL, specify FMS12N-1-3E1T.

Customization is available upon request.

Pin 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	A1~A12	14	NC
13	COM	15	VDC

Port

SP9T	1~3, 5~7, 9~11	SP11T	1~11
SP10T	1~3, 5~9, 11~12	SP12T	1~12

Driving Schematic Diagram

