

## NMS2ST

### DC~26.5GHz, SPDT, Terminated

- |                      |                   |
|----------------------|-------------------|
| Features:            | Applications:     |
| * Low VSWR           | * Wireless        |
| * Low Insertion Loss | * Transmitter     |
| * High Isolation     | * Laboratory Test |
|                      | * Radar           |

### Electrical

Frequency:		DC~26.5GHz		
Impedance:		50Ω		
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	
DC-6	0.3	70	1.3	
6-12	0.4	60	1.4	
12-18	0.5	55	1.5	
18-26.5	0.6	50	1.6	
Voltage*1 (V)		12	24	28
Current (mA)	Failsafe	350	200	180
	Latching	400	200	180

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

### Mechanical

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:	Feed Through/Terminal Post
Mounting:	2-Φ3mm through-hole 2-Φ2mm through-hole

[2] Exclude connectors.

### Environmental

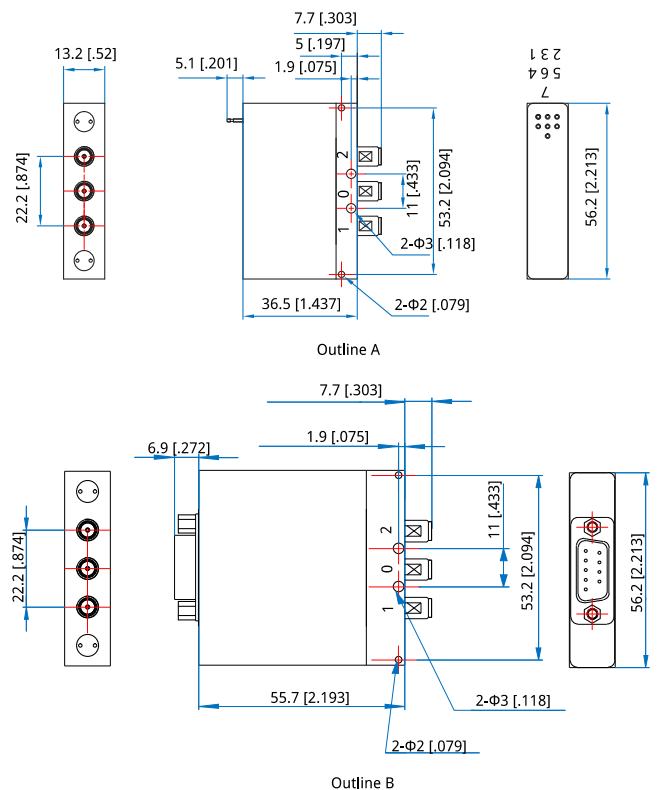
Temperature:	-25~+65°C
Extended Temperature:	-45~+85°C

### How To Order

#### NMS2ST-F-WXYZ

- F: Frequency in GHz
- W: Actuator Type. Failsafe: 0, Latching: 1.
- X: Voltage. +12V: E, +24V: K, +28V: M.
- Y: Power Interface. Pin: 0 (Outline A), D-sub: 1 (Outline B)
- Z: Additional Options.

### Outline Drawings



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

### Additional Options

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

### Examples:

To order a SPDT terminated switch, DC-18GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify NMS2ST-18-0E1TI.

Customization is available upon request.

### Pin Numbering

#### Failsafe

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

#### Failsafe&TTL

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

#### Latching

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

#### Latching&TTL

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

### Driving Schematic Diagram

