

NSMS6S

DC~18GHz, SP3T~SP6T

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

- Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency:	DC~18GHz
Impedance:	50Ω
TTL Control:	TTL High: 3~5V/1.4mA TTL Low: 0~0.3V

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	Power (W)
DC~6	0.3	70	1.3	80
6~12	0.4	60	1.4	60
12~18	0.5	60	1.5	50

Voltage*1 (V)	+12	+24	+28
Current (mA)	Normally Open	300	150

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

Indicator*2	Withstand Voltage (V max.)	Current (mA max.)	Impedance (Ω max.)
	50	100	15

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

Mechanical

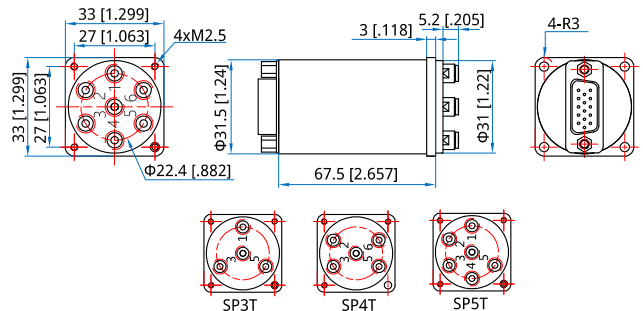
Size*3:	67.5*Φ31.5mm 2.657*1.24in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15
Mounting:	4-M2.5

[3] Exclude connectors.

Environmental

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

Outline Drawings



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

Additional Options

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

How To Order

- NSMSVS-F-WXYZ
- V: 3~6 (SP3T~SP6T)
- F: Frequency in GHz
- W: Actuator Type. Normally Open: 3.
- X: Voltage. +12V: E, +24V: K, +28V: M.
- Y: Power Interface. D-Sub: 1.
- Z: Additional Options.

Examples:

To order a SP4T small size switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify NSMS4S-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~6	V1~V6	14	Indicator (Com)
7	COM	15	NC
8~13	Indicator (1~6)		

Normally Open & TTL

Pin	Function	Pin	Function
1~6	A1~A6	9~14	Indicator (1~6)
7	VDC	15	Indicator (Com)
8	COM		

Port

SP3T	1, 3, 5	SP5T	1~5
SP4T	2~3, 5~6	SP6T	1~6