

## NMS6SH

DC~26.5GHz, SP3T~SP6T

**Features:**

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

**Applications:**

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

### Electrical

Frequency: DC~26.5GHz  
 Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
NMS6SH-18	DC~6	0.25	80	1.20
	6~18	0.35	75	1.30
NMS6SH-26.5	DC~18	0.35	80	1.30
	18~26.5	0.50	70	1.35

Voltage*1 (V)	+12	+24	+28
Current (mA) Normally Open	300	150	140

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

### Mechanical

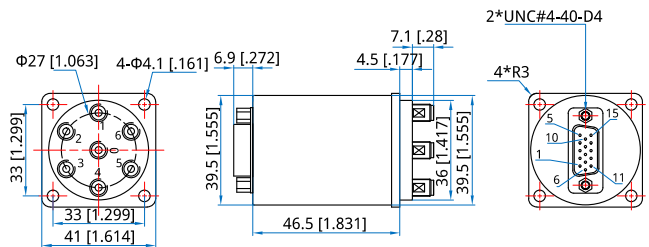
Size*2:	41*41*46.5mm 1.614*1.614*1.831in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15
Mounting:	4-Φ4.1mm through-hole

[2] 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

**NMSVSH-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 switch, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify NMS4SH-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

### Driving Schematic Diagram

