

# NMS6N

## DC~12.4GHz, SP3T~SP6T

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

### Electrical

Frequency:		DC~12.4GHz		
Impedance:		50Ω		
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	
DC-5	0.3	70	1.3	
5-12.4	0.5	60	1.5	
Voltage *1(V)		12	24	28
Current (mA)	Normally Open	300	150	140

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

### Mechanical

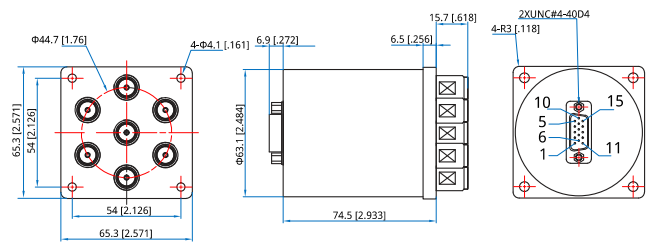
Size*2:	65.3*65.3*74.5mm 2.571*2.571*2.933in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	N Female
Power Supply & Control Interface Connectors:	D-Sub 15
Mounting:	2-Φ4.1mm through-hole

[2] Exclude connectors.

### Environmental

Temperature:	-25~+65°C
Extended Temperature:	-40~+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
- Low Intermodulation ( N Only ) : -150dBc or -165dBc

### How To Order

**NMSUV-F-WXYZ**

U: 3~6 (SP3T~SP6T)  
V: Connector type. N: N, SC: E, TNC: T.  
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 SP6T switch, N Female, DC-4GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify NMS6N-4-0E1TI.

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**

