

## NMS62T

### DC~50GHz, SP3T~SP6T, Terminated

- |                                                           |                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Features:</b><br>* High Power<br>* Long Operation Life | <b>Applications:</b><br>* Wireless<br>* Transmitter<br>* Laboratory Test<br>* Radar |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|

### Electrical

Frequency: DC~50GHz  
 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	0.7	55	1.7
26.5-32	0.9	50	1.9
32-40	1.0	50	2.0
40-50	1.2	45	2.2

Voltage *1(V)	12	24	28
Current (mA) Normally Open	300	200	180
Latching	320	200	180

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

### Mechanical

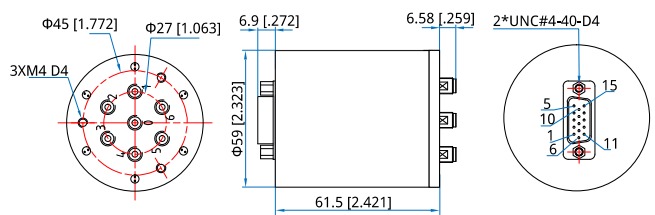
- Size\*2: Φ59\*61.5mm  
 Φ2.323\*2.421in
- Switching Sequence: Break before Make
- Switching Time: 15mS max.
- Operation Life: 2M Cycles
- Vibration (operating): 20-2000Hz, 10G RMS
- Mechanical Shock (non-operating): 30G, 1/2sine, 11mS
- RF Connectors: 2.4mm Female
- Power Supply & Control Interface Connectors: D-Sub 15/26
- Mounting: 4-Φ5mm 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

- NMSV2T-F-WXYZ**
- V: 3~6 (SP3T~SP6T)
  - F: Frequency in GHz
  - W: Actuator Type. Latching: 1, 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 terminated switch, DC-40GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify NMS42T-40-3E1TI.

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		

### Latching

Pin	Function	Pin	Function
1~6	V1~V6	15	Indicator (Com)
7	V (RESET)	16	VDC
8	COM	17~26	NC
9~14	Indicator (1~6)		

Latching switch should power on pin 7 to reset before excitation.

### Latching & TTL

Pin	Function	Pin	Function
1~6	A1~A6	10~15	Indicator (1~6)
7	RESET	16	Indicator (Com)
8	VDC	17~26	NC
9	COM		

## Driving Schematic Diagram

