

NMS6KT

DC~40GHz, SP3T~SP6T, Terminated

- | | |
|-----------------------|-------------------|
| Features: | Applications: |
| * High Power | * Wireless |
| * Long Operation Life | * Transmitter |
| | * Laboratory Test |
| | * Radar |

Electrical

Frequency:		DC~40GHz		
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	0.8	50	1.8	
32-40	0.9	50	1.9	
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

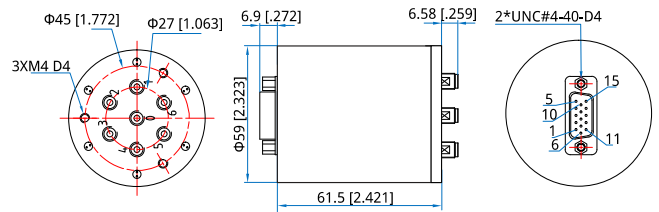
Size*2:	Φ59*61.5mm Φ2.323*2.421in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 15/26
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

- NMSVKT-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 NMS4KT-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

