

NMS8K

DC~40GHz, SP7T~SP8T

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

Electrical

Frequency:		DC~40GHz		
Impedance:		50Ω		
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR	
DC~12	0.5	70	1.4	
12~18	0.6	60	1.5	
18~26.5	0.8	55	1.7	
26.5~40	1.1	50	2.0	
Voltage (V)		+12	+24	+28
Current (mA)		Normally Open	300	150

Mechanical

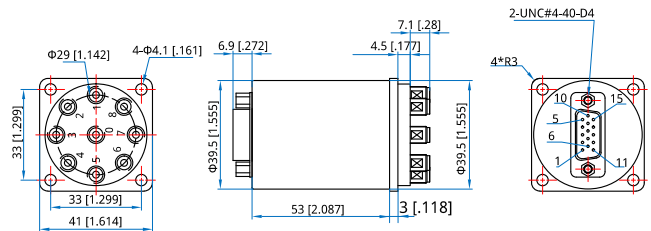
Size*1:	41*41*53mm 1.614*1.614*2.087in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	D-Sub 15 Male/D-Sub 26 Male
Mounting:	4-Φ4.1mm through-hole

[1] 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

How To Order

- NMSVK-F-WXYZ**
- V: 7~8 (SP7T~SP8T)
- 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 SP8T switch, DC-40GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify NMS8K-40-3E1TI.

Customization is available upon request.

Pin Numbering

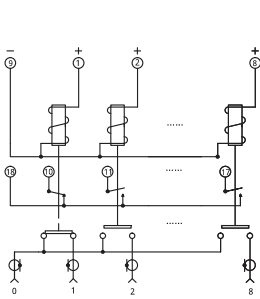
Normally Open

Pin	Function	Pin	Function
1~8	V1~V8	18	Indicator (COM)
9	COM	19~25	NC
10~17	Indicator (1~8)		

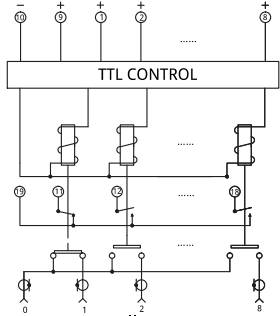
Normally Open & TTL

Pin	Function	Pin	Function
1~8	A1~A8	11~18	Indicator (1~8)
9	VDC	19	Indicator (COM)
10	COM	20~25	NC

Driving Schematic Diagram



Normally Open



Normally Open & TTL