

NMS2KT

DC~40GHz, SPDT, Terminated

- | | |
|----------------------|-------------------|
| 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-6	0.3	70	1.3	
6-12	0.4	60	1.4	
12-18	0.5	55	1.5	
18-26.5	0.6	50	1.6	
26.5-32	0.7	50	1.7	
32-40	0.9	50	1.9	
Voltage*1 (V)		12	24	28
Current (mA)	Failsafe	350	200	180
	Latching	400	200	185

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

Mechanical

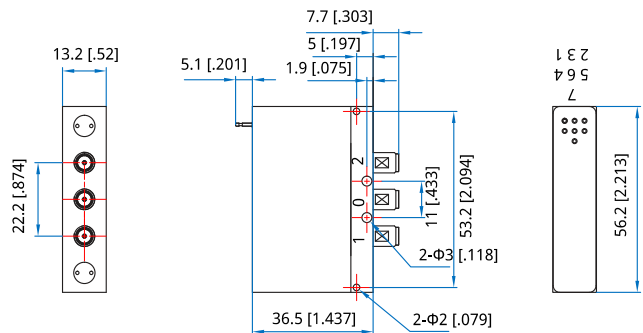
Size*2:	36.5*53.2*13.2mm 1.437*2.094*0.52in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	2.92mm Female
Power Supply & Control Interface Connectors:	Feed Through/Terminal Post
Mounting:	2-Φ3mm through-hole
	2-Φ2mm 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

NMS2KT-F-WXYZ

- F: Frequency in GHz
- W: Actuator Type. Failsafe: 0, Latching: 1.
- X: Voltage. +12V: E, +24V: K, +28V: M.
- Y: Power Interface. Pin: 0, D-Sub: 1.
- Z: Additional Options.

Examples:

To order a SPDT terminated switch, DC-18GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify NMS2KT-18-0E1TI.

Customization is available upon request.

Pin Numbering

Failsafe

Pin	Function	Pin	Function
1	VDC(RF: 0 to 2)	4~5	Indicator (1~2)
2	NC	6	Indicator (COM)
3	COM(RF: 0 to 2)	7~9	NC

Latching

Pin	Function	Pin	Function
1	VDC(RF: 0 to 1)	4~5	Indicator (1~2)
2	VDC(RF: 0 to 2)	6	Indicator (COM)
3	COM	7~9	NC

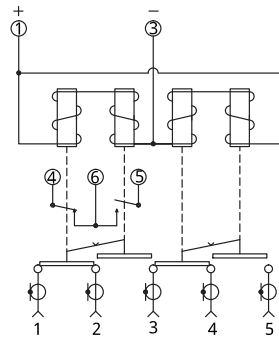
Failsafe&TTL

Pin	Function	Pin	Function
1	VDC(RF: 0 to 2)	4~5	Indicator (1~2)
2	A1(RF: 0 to 2)	6	Indicator (COM)
3	COM(RF: 0 to 2)	7~9	NC

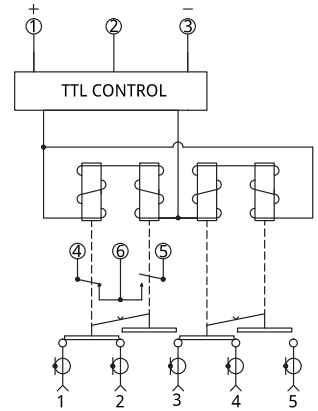
Latching&TTL

Pin	Function	Pin	Function
1	VDC	4	A2(RF: 0 to 2)
2	A1(RF: 0 to 1)	5~6	Indicator (1~2)
3	COM	7	Indicator (COM)

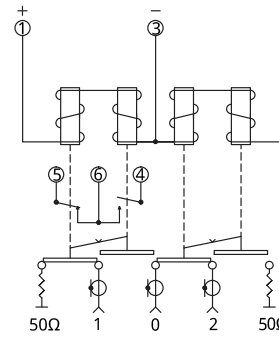
Coaxial Switches



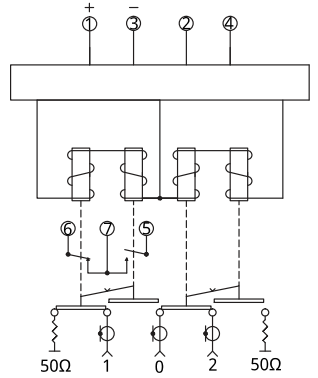
Failsafe



Failsafe+TTL



Latching



Latching+TTL

Driving Schematic Diagram