

NMS2KTH

DC~43.5GHz, SPDT, Terminated

Features:

- * Low VSWR
- * Low Insertion Loss
- * High Isolation

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency: DC~43.5GHz

Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
NMS2KTH-40	DC-26.5	0.40	80	1.3
	26.5-40	0.65	65	1.5
NMS2KTH-43.5	DC-40	0.40	80	1.3
	40-43.5	1.00	60	1.6

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: 38.7*53.2*13.2mm

1.524*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 30G, 1/2sine, 11mS

(non-operating):

RF Connectors: 2.92mm Female

Power Supply & Control Feed Through/Terminal Post

Interface Connectors:

Mounting: 2-Φ3mm through-hole

2-Φ2mm through-hole

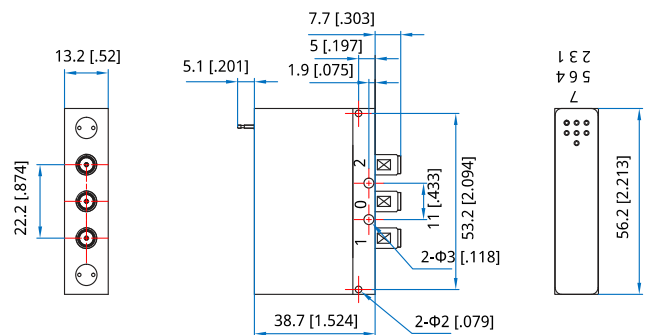
[2] Exclude connectors.

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

NMS2KTH-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, High performance, DC-18GHz, Failsafe, +12V, D-Sub, TTL, Indicators, specify NMS2KTH-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

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

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

Latching&TTL

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

Driving Schematic Diagram

