

NMS10STH

DC~26.5GHz, SP9T~SP10T, Terminated

Features:
 * Low VSWR
 * Low Insertion Loss
 * High Isolation

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency: DC~26.5GHz
 Impedance: 50Ω

Model	Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
NMS10STH-18	DC-6	0.20	70	1.15
	6-18	0.50	50	1.30
NMS10STH-26.5	DC-18	0.45	80	1.40
	18-26.5	0.60	70	1.40

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

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

Mechanical

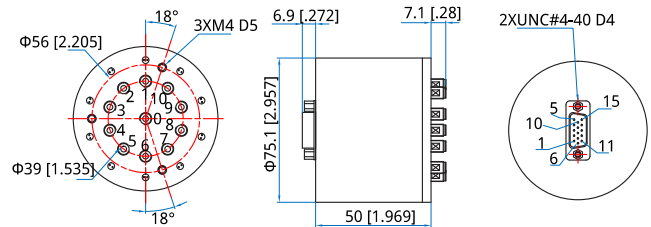
Size*2: Φ75.1*50mm
 Φ2.957*1.969in
 Switching Sequence: Break before Make
 Switching Time: 15mS max.
 Operation Life: 2M Cycles
 Vibration (operating): 20-2000Hz, 10G RMS
 Mechanical Shock (non-operating): 30G, 1/2sine, 11mS
 RF Connectors: SMA Female
 Power Supply & Control Interface Connectors: D-Sub 15/D-Sub 26
 Mounting: 3-Φ4mm 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

NMSVSTH-F-WXYZ
 V: 9~10 (SP9T~SP10T)
 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 SP9T terminated switch, High performance, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify NMS9STH-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~10	V1~V10	22	Indicator (COM)
11	COM	23	VDC
12~21	Indicator (1~10)	24~26	NC

Normally Open&TTL

Pin	Function	Pin	Function
1~10	A1~A10	13~22	Indicator (1~10)
11	VDC	23	Indicator (Com)
12	COM	24~26	NC

Latching

Pin	Function	Pin	Function
1~10	V1~V10	23	Indicator (Com)
11	RESET	24	VDC
12	COM	25~26	NC
13~22	Indicator (1~10)		

Latching switch should power on pin 11 to reset before excitation.

Latching&TTL

Pin	Function	Pin	Function
1~10	A1~A10	14~23	Indicator (1~10)
11	RESET	24	Indicator (Com)
12	VDC	25~26	NC
13	COM		

Driving Schematic Diagram

