

NMS8ST

DC~26.5GHz, SP7T~SP8T, Terminated

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

Applications:
 * Wireless
 * Transmitter
 * Laboratory Test
 * Radar

Electrical

Frequency:		DC~26.5GHz		
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	50	1.5	
18-26.5	0.6	50	1.6	
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

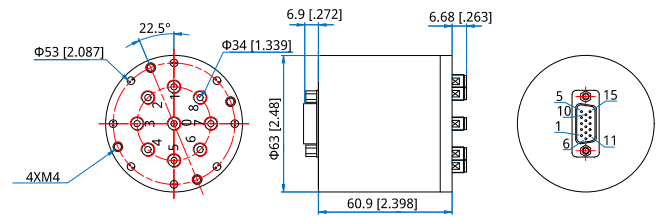
Size*2:	Φ63*60.9mm Φ2.48*2.398in
Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	30G, 1/2sine, 11mS
RF Connectors:	SMA Female
Power Supply & Control Interface Connectors:	D-Sub 15/26 male
Mounting:	4-M4mm

[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

NMSVST-F-WXYZ
 V: 7~8 (SP7T~SP8T)
 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 SP7T terminated switch, DC-18GHz, Normally Open, +12V, D-Sub, TTL, Indicators, specify NMS7ST-18-3E1TI.

Customization is available upon request.

Pin Numbering

Normally Open

Pin	Function	Pin	Function
1~8	V1~V8	18	Indicator (Com)
9	COM	19	VDC
10~17	Indicator (1~8)	20~26	NC

Normally Open & TTL

Pin	Function	Pin	Function
1~8	A1~A8	11~18	Indicator (1~8)
9	VDC	19	Indicator (Com)
10	COM	20~26	NC

Latching

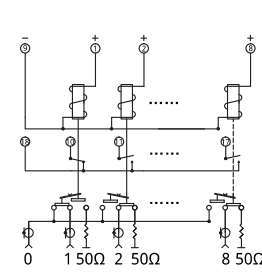
Pin	Function	Pin	Function
1~8	V1~V8	19	Indicator (Com)
9	VDC (RESET)	20	VDC
10	COM	21~26	NC
11~18	Indicator (1~8)		

Latching switch should power on pin n 9 to reset before excitation.

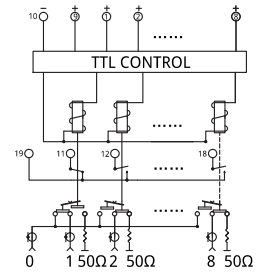
Latching & TTL

Pin	Function	Pin	Function
1~8	A1~A8	12~19	Indicator (1~8)
9	TTL (RESET)	20	Indicator (Com)
10	VDC	21~26	NC
11	COM		

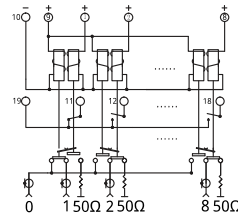
Driving Schematic Diagram



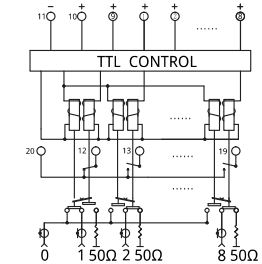
Normally Open



Normally Open & TTL



Latching



Latching & TTL