

## NMS8S-1

DC~18GHz, SP8T, USB Control

### Features:

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

### Applications:

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

### Electrical

Frequency: DC~18GHz			
Impedance: 50Ω			
Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC~4	0.2	75	1.2
4~8	0.3	65	1.3
8~12.4	0.4	60	1.4
12.4~18	0.6	60	1.6
Voltage*1 (V)		+12	
Current (mA)	Normally Open	290	

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

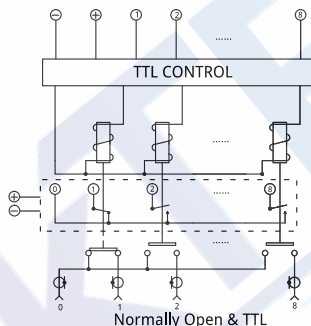
### Mechanical

Switching Sequence:	Break before Make
Switching Time:	15mS max.
Operation Life:	2M Cycles
Vibration (operating):	20-2000Hz, 10G RMS
Mechanical Shock (non-operating):	50G, 1/2Sine, 11mS
RF Connectors:	SMA Female
Relative Humidity :	5 to 85%
Power Supply & Control	USB
Interface Connectors:	

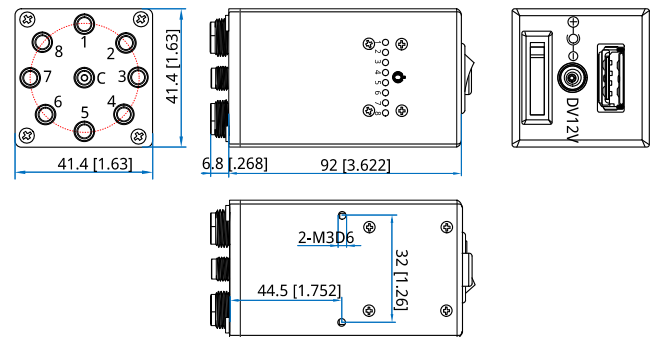
### Environmental

Temperature:	-25~+65°C
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### Driving Schematic Diagram



### 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

**NMS8S-1-F-WXYZ**

F: Frequency in GHz

W: Actuator Type. Normally Open: 3.

X: Voltage. +12V: E

Y: Power Interface. USB: 3.

Z: Additional Options.

### Examples:

To order a SP8T switch, DC-18GHz, Normally Open, +12V, USB, TTL, Indicators, specify NMS8S-1-18-3E3TI.

Customization is available upon request.