

## NMS21T

### DC~110GHz, SPDT, Terminated

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

Applications:  
 \* Wireless  
 \* Transmitter  
 \* Laboratory Test  
 \* Radar

### Electrical

Frequency: DC~110GHz  
 Impedance: 50Ω  
 TTL Control: TTL High (3~3.5V)  
 TTL Low (0~0.8V)

Frequency range (GHz)	Insertion Loss (dB)	Isolation (dB)	VSWR
DC~20	0.8	70	1.5
20~50	1.4	70	1.8
50~67	1.8	60	1.9
67~90	2.2	60	2.0
90~110	2.5	50	2.2

Voltage (V)	+12 ( 10~15V )	+24 ( 22~28V )
Current (mA)	800	240

Frequency range (GHz)	18	40	67	90	110
Average Power (W max.)	35	10	3	2	1

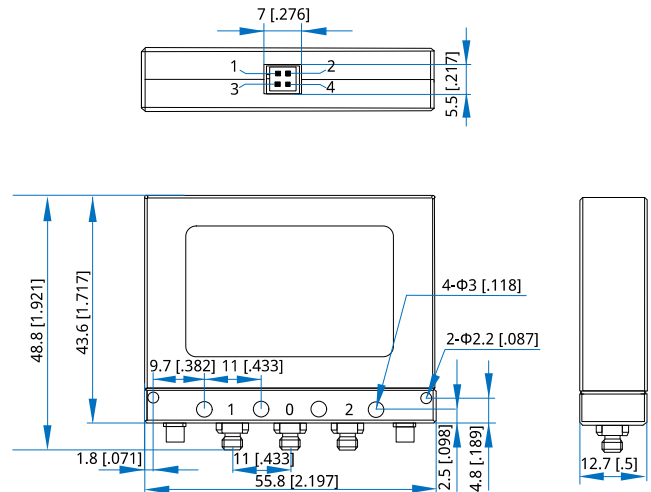
### Mechanical

Switching Sequence: Break before Make  
 Switching Time: 20mS max.  
 Operation Life: 0.5M Cycles  
 Vibration (operating): 20-2000Hz, 10G RMS  
 Mechanical Shock: 50G, 1/2sine, 11mS  
 RF Connectors: 1.0mm Female  
 Control Interface Connectors: A2004WV-2×02P  
 Matched External Connectors: A2004HT-2×02P  
 Mounting: 2-Φ2.2mm through-hole  
 4-Φ3mm through-hole

### Environmental

Operation Temperature: -20~+70°C  
 Non-operation Temperature: -55~+85°C

### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]

### Pin Numbering

#### Latching&TTL

Pin	Function	Pin	Function
1	COM	3	A2(RF: 0 to 2)
2	VCC	4	A1(RF: 0 to 1)

### How To Order

#### NMS21T-F-WXYZ

F: Frequency in GHz  
 W: Actuator Type. Latching: 1.  
 X: Voltage. +12V: E, +24V: K.  
 Y: Power Interface. A2004WV-2×02P: 2.  
 Z: Additional Options.

#### Examples:

To order a SPDT switch, Terminated, Latching, DC-110GHz, +12V, A2004WV-2×02P, TTL, specify NMS21T-110-1E2T.

Customization is available upon request.