

SPDT Switches

50 Years of
Excellence

Series 026 (Internal Termination)

SPDT / DC-26.5 GHz / SMA

RF Performance

Freq Range (GHz)	DC-3	3-8	8-12.4	12.4-18	18-24	24-26.5
VSWR (Max)	1.2:1	1.3:1	1.4:1	1.5:1	1.6:1	1.7:1
Insertion Loss (Max dB)	0.2	0.3	0.4	0.5	0.6	0.7
Isolation (Min dB)	80	70	60	60	50	45

Additional Specifications

RF Impedance	50 ohms nominal
Actuating Voltage	28 Vdc
Actuating Current	Failsafe: 280 mA (max) Latching: 200 mA (max)
Switching Time	15 ms (max)
Switching Sequence	Break Before Make
Operating Mode	Failsafe
Operating Ambient Temperature	-35°C to +70°C
Operating Life	1 Million Cycles per Position
Designed to	Meet MIL-S-3928



Standard SEM models from this series are available from stock. See page 235 for a complete listing of stock switches.

Options Available

GROUP 2
ACTUATION

- A - FAILSAFE
- B - LATCHING
- D - NORM OPEN

GROUP 3
OPTIONS

- 1 - 50-OHM TERMINATION
- 2 - INDICATOR CIRCUITRY
- 3 - SUPPRESSION DIODES
- 4 - TTL LOGIC HIGH
- 7 - SELF-DE-ENERGIZING CIRCUITRY
- 9 - OTHER (SPECIFY)
- V - MOSFET DRIVER

GROUP 4
RF
CONNECTORS

- A - SMA
- G - OTHER (SPECIFY)

GROUP 5
TERMINALS

- 1 - SOLDER (STANDARD)
- 2 - POWER CONNECTOR, FAST DISCONNECT (STANDARD)
- 3 - POWER CONNECTOR, FAST DISCONNECT (SUB MIN "D")
- 4 - SOLDER LOOP
- 5 - OTHER (SPECIFY)

GROUP 6
VOLTAGE

- B - 12 VDC
- C - 24 VDC
- D - 28 VDC
- E - 48 VDC
- G - OTHER (SPECIFY)
- H - 15 VDC
- I - 18 VDC

GROUP 7
FREQUENCY

- 0 - DC - 1 GHz
- 1 - DC - 3 GHz
- 2 - DC - 8 GHz
- 3 - DC - 12.4 GHz
- 4 - DC - 18 GHz
- 5 - DC - 18.5 GHz
- 6 - DC - 26.5 GHz
- 7 - OTHER (SPECIFY)

GROUP 8
POLARITY

- A - COMMON PLUS
- B - COMMON MINUS
- C - NOT RELEVANT TO APPLICATION OR SWITCHES WITH LOGIC

GROUP 9
MOUNTING

- 0 - STANDARD MOUNTING HOLES
- 3 - OTHER (SPECIFY)

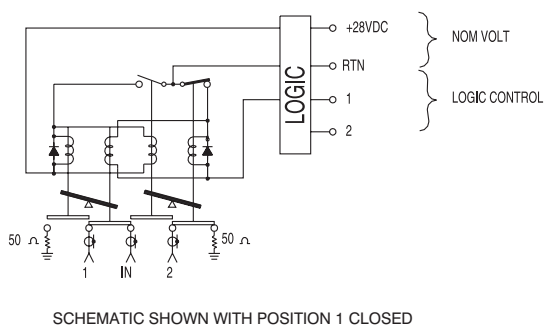
Switch Height (A)
for Selected Options

DIM A ±.03	GROUP 2 ACTUATION	GROUP 3 OPTIONS
1.67	A, B, D	1,3
2.01	A, D	1,2,3
2.01	B	1,2,3,7
2.26	A, D	1,2,3,4, or 5,V
2.26	B	1,2,3,4 or 5,7,V
2.26**	A,D	1,2,3,4 or 5,V
2.26**	B	1,2,3,4 or 5,7,V

** Dimension for switches with Standard Narda Power Connector M24308/3-1 mating with M24308/2-1.

NOTE: Series 022 is offered with external terminations (see page 240)

Typical Schematic and Outline Drawing



Latching with self de-energizing circuitry

