

Multiposition Switches — SP3T-SP6T

**50 Years of
Excellence**

Series 032-062

SP3T-SP6T / DC-18 GHz SMA

RF Performance

Frequency Range (GHz)	DC-3	3-8	8-12.4	12.4-18
VSWR (Max)	1.2:1	1.3:1	1.4:1	1.5:1
Insertion Loss (Max dB)	0.2	0.3	0.4	0.5
Isolation (Min dB)	80	70	60	60

Additional Specifications

RF Impedance	50 ohms nominal
Actuating Voltage*	28 Vdc
Actuating Current*	Normally Open: 160mA Latching: (n) ¹ x 100 mA DA: 2 x 160 mA
Switching Time	15 ms (max)
Switching Sequence	Break Before Make
Operating Ambient Temperature	-35°C to +70°C
Operating Life	1 Million Cycles per Position
Designed to	Meet MIL-S-3928

Options Available

GROUP 2 ACTUATION

- B - LATCHING
- C - LATCHING RESET
- D - NORM OPEN
- DA - NORM OPEN FAILSAFE TO POSITION 1

GROUP 3 OPTIONS

- 0 - NONE
- 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
- Y - BCD TTL DECODER

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
- 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
- 1 - BRACKET
- 2 - FLANGE
- 3 - OTHER (SPECIFY)



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

Switch Height (A) for Selected Options

DIM A ±.03	GROUP 2 ACTUATION	GROUP 3 OPTIONS
2.12	D, DA	0,3
2.37	B, C	3,7
2.37	D, DA	2,3
2.62	B, C	2,3,4, or 5,7,Y,V
2.62	D, DA	2,3,4 or 5,Y,V
2.96**	B, C	2,3,4 or 5,7,Y,V
2.96**	D, DA	2,3,4 or 5,Y,V

* Specifications for 28 Vdc, 25°C

** Dimension for switches with Standard Narda Power Connector MS3112E-14-15P mating with MS3112E-14-15S.

Exceptions: Switches with options: 4-TTL Logic High, V-Mosfet Driver, Y-BCD Decoder use power connector MS3112E-14-18P mating with MS3116E-14-18S.

¹ n = # of positions

[illegible]

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