

50 Years of Excellence

Series 030-060

SP3T-SP6T / DC-26.5 GHz SMA

RF Performance

Frequency Range (GHz)	DC-3	3-8	8-12.4	12.4-18	18-26.5
VSWR (Max)	1.2:1	1.3:1	1.4:1	1.5:1	1.8:1
Insertion Loss (Max dB)	0.2	0.3	0.4	0.5	0.8
Isolation (Min dB)	80	70	60	60	50



Additional Specifications

RF Impedance	50 ohms nominal
Actuating Voltage*	28 Vdc
Actuating Current*	Normally Open: 140 mA (max) DA: 280 mA (max)
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	

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

D - NORM OPEN
DA - NORM OPEN
FAILSAFE TO
POSITION 1

GROUP 3 OPTIONS

0 - NONE
2 - INDICATOR
CIRCUITRY
3 - SUPPRESSION
DIODES
4 - TTL LOGIC
HIGH
9 - OTHER
(SPECIFY)
V - MOSFET
DRIVER
Y - BCD TTL
DECODER

GROUP 4 RF CONNECTORS

A - SMA
G - OTHER
(SPECIFY)

GROUP 5
TERMINAL S

- 1 - SOLDER (STANDARD)
- 2 - POWER CONNECTOR, FAST DISCONNECT (STANDARD)
- 3 - POWER CONNECTOR, FAST DISCONNECT (SPECIFY)
- 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 - 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

2 - FLANGE
3 - OTHER (SPECIFY)

Switch Height (A) for Selected Options

DIM A ±.03	GROUP 2 ACTUATION	GROUP 3 OPTIONS
1.56	D	0
2.00	D, DA	2,3
2.25	D, DA	2,3,4 or 5,Y,V
2.50**	D, DA	2,3,4, or 5,Y,V

* Specifications for 28 Vdc, 25°C

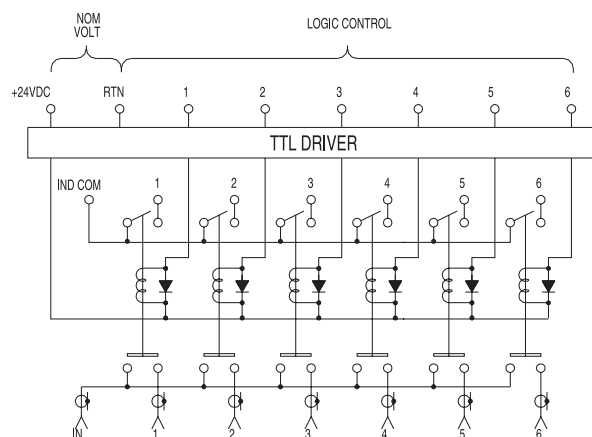
** Dimension for switches with Standard Narda Power Connector MS3112E-14-15P mating with MS3116E-14-15S.

Exception: switches with options: 4-TTL Logic High,
V-Mosfet Driver, Y-BCD Decoder use Power
Connector MS3112E-14-18P Mating with MS3116E-14-18S.

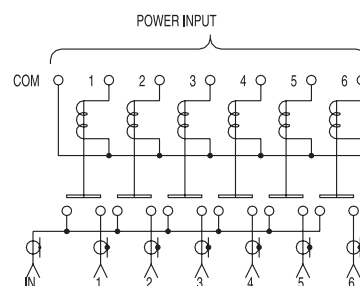
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Multiposition Switches — SP3T-SP6T

Typical Schematics



Normally Open SP6T switch with indicator circuitry, suppression diodes & TTL high logic driver. (D234)



Normally Open SP6T switch. (D0)

Typical Outline Drawing

