

50 Years of Excellence

Series 033-063

SP3T-SP6T / DC-12.4 GHz N, TNC

RF Performance

Frequency Range (GHz)	DC-3	3-8	8-12.4
VSWR (Max)	1.2:1	1.35:1	1.5:1
Insertion Loss (Max dB)	0.2	0.35	0.5
Isolation (Min dB)	80	70	60



Additional Specifications

RF Impedance	50 ohms nominal
Actuating Voltage*	28 Vdc
Actuating Current*	Normally Open: 140 mA (max)
	Latching: (n) ¹ x 100 mA
	DA: 350 mA
Switching Time	20 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

- 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

- D - N
E - TNC
G - OTHER
(SPECIFY)

GROUP 5 TERMINALS

- 1 - SOLDER (STANDARD)
- 2 - POWER CONNECTOR, FAST DISCONNECT (STANDARD)
- 3 - POWER CONNECTOR, FAST DISCONNECT (SUB MIIN "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
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)

Switch Height (A) for Selected Options

DIM A ±.03	GROUP 2 ACTUATION	GROUP 3 OPTIONS
2.20	D, DA	0,3
2.46	B, C	3,7
2.46	D, DA	2,3
2.88	B, C	2,3,7
3.08**	B, C	2,3,4 or 5,7,Y
3.08**	D, DA	2,3,4 or 5,Y

* Specifications for 28 Vdc, 25°C

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

¹ $n = \#$ of positions

