

SPDT Switches

Series 024

SPDT / DC-6 GHz / SC

RF PERFORMANCE

Frequency Range (GHz)	DC-1	1-3	3-6
VSWR (Max)	1.15:1	1.35:1	1.5:1
Insertion Loss (Max dB)	0.15	0.35	0.5
Isolation (Min dB)	80	70	60

ADDITIONAL SPECIFICATIONS

RF Impedance	50 ohms nominal
Actuating Voltage*	28 Vdc
Actuating Current*	Failsafe: 180mA (max) Latching: 200mA (max)
Switching Time	40 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 179 for a complete listing of stock switches.

OPTIONS AVAILABLE

GROUP 2 ACTUATION

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

GROUP 3 OPTIONS

- 0 - NONE
- 2 - INDICATOR CIRCUITRY
- 3 - SUPPRESSION DIODES
- 4 - TTL LOGIC HIGH
- 7 - SELF-DE-ENERGIZING CIRCUITRY
- 9 - OTHER (SPECIFY)

GROUP 4 RF CONNECTORS

- F - SC
- 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
- 7 - OTHER (SPECIFY)
- 8 - DC - 6 GHz

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

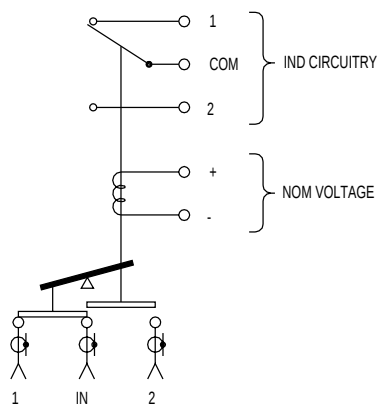
DIM A ±.03	GROUP 2 ACTUATION	GROUP 3 OPTIONS
2.06	A, D	0,3,4 or 5
2.06	B	0,3,4 or 5
2.30**	B	2,3,4 or 5,7
2.30**	A, D	2,3,4 or 5

* Specifications for 28 Vdc, 25°C

** Dimension for switches with Standard Narda Power Connector MS3113H-10-6P mating with MS3116E-10-6S

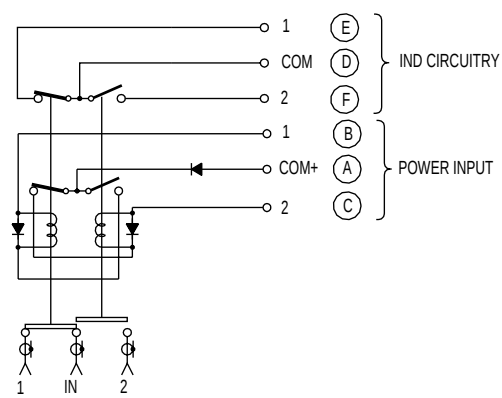
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TYPICAL SCHEMATICS



SCHEMATIC SHOWN IN FAILSAFE POSITION

Failsafe SPDT switch with indicator circuitry. (A2)



SCHEMATIC SHOWN WITH POSITION 1 CLOSED

Latching, common plus SPDT switch with indicator circuitry, self de-energizing circuitry & suppression diodes. (B237)

TYPICAL OUTLINE DRAWINGS

