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2S/2SE/2SL/2SLE SERIES
SPDT SWITCH
DC-26.5 GHz ◆ SMA

Click Here to Request Quote

Ducommun



The ***2S/2SL Series*** features SMA connectors and a frequency range of DC to 18 GHz.

The ***2SE/2SLE Series*** also features SMA connectors and a frequency range of DC to 26.5 GHz.

Both series are available with fail-safe, latching self cut-off, or pulse latching options. The 2SL/2SLE series has in board and out board mounting holes. Please consult Factory for SPST version.

Weight (max.):	2.1 oz
RF Impedance:	50 ohms nominal
Operating Temperature (fail-safe):	-55°C to +85°C ambient
Operating Temperature (latching):	-25°C to +85°C ambient
Operating Life:	1,000,000 cycles min.
Switching Sequence:	Break Before Make

SPECIFICATIONS

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-4 GHz	1.25	0.20	80
4-8 GHz	1.25	0.25	75
8-12 GHz	1.30	0.30	70
12-18 GHz	1.35	0.40	60
18-26.5 GHz	1.50	0.50	50

Actuator Current (typical)	12Vdc	15 Vdc	24 Vdc	28Vdc
Fail-safe	300mA	240mA	150mA	135mA
Latching	200mA	155mA	100mA	95mA

* If reduced coil current is required, please contact Factory.

Position	NO	NC	Latching
Switching Time - mSec (Max)	15	35	20

AVAILABLE OPTIONS

OPTION 3 VOLTAGE

- **1 -** 12 Vdc
- **2 -** 28 Vdc
- **3 -** 15 Vdc
- **5 -** Other
- **6 -** 24 Vdc
- **7 -** 5 Vdc

OPTION 4 ACTUATOR

Fail-safe

- **A -** Standard
- **B -** Diodes
- **C -** Indicators
- **D -** Diodes, Indicators

Low Input Drivers with:

- **E -** Diodes
- **F -** Diodes, Indicators

High Input Drivers with:

- **EH -** Diodes
- **FH -** Diodes, Indicators

Latching Self Cut-Off

- **G -** Diodes
- **H -** Diodes, Indicators

Low Input Drivers with:

- **J -** Diodes
- **K -** Diodes, Indicators

High Input Drivers with:

- **JH -** Diodes
- **KH -** Diodes, Indicators

Pulse Latching

- **T -** Standard
- **U -** Diodes
- **V -** Indicators
- **W -** Diodes, Indicators

OPTION 5 POLARITY

- **1 -** Negative
- **2 -** Positive
- **3 -** Not Applicable

OPTION 6 TERMINALS

- **1 -** Solder Terminals
- **3 -** Other (Specify)
- **4 -** Sub Miniature D-Shell Connector

ADDITIONAL OPTIONS

OPTION 7 STANDARD OPTIONS

- **1 -** Moisture Seal
- **2 -** High Temperature (125° C)
- **3 -** Moisture Seal & High Temperature (125° C)

OPTION 8 BRACKETS

No Additional Brackets Offered

OPTION 9 BODIES

- **R -** See Page 147

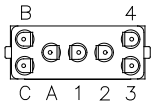
Please Note: Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

For “Additional Options” please contact Factory for part number

2S/2SE
2SL/2SLE

Option 2	Option 3	Option 4	Option 5	Option 6
Series	Voltage	Actuator	Polarity	Terminals

TOP VIEW



Actual markings will reflect terminal functions, not letter or number designation as shown above.

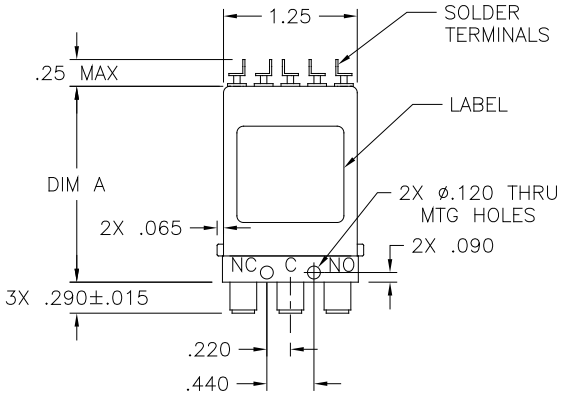
DC TERMINAL FUNCTION

	FAILSAFE			LATCHING		
PIN	A, C	B, D	E, EH, F, FH	G, H	J, JH, K, KH	T, U, V, W
1	N/A	N/A	N/A	N/A	+V SW	N/A
2	N/A	N/A	C RTN	C+/-	C RTN	C+/-
3	AV	AV -	L	AV 1-/+	L 1	PV 1-/+
4	AV	AV +	+ V SW	AV 2-/+	L 2	PV 2-/+

SCHEMATICS

Pages 132–137						
	S1, S2	S3	S4	S5	S6	S8, S9

FRONT VIEW



FAILSAFE MARKING

INDICATORS

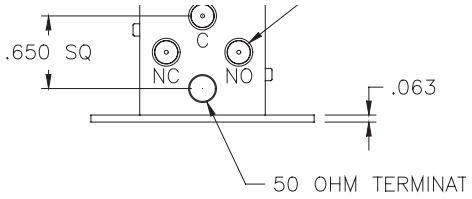
PIN	A	B	C
	COM	1 or N/C	2 or N/O

See Page 158 for Legend of Terms and tolerances
See Page 138 for Logic & BCD Truth Table

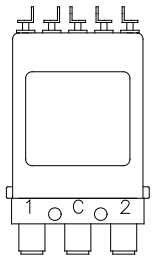
AVAILABLE OPTIONS*	OUTLINE DRAWING DIMENSION "A"
A, B, C	1.25
D	1.50
E, EH, F, FH	1.83
J, JH, K, KH	1.83
G, H, V, W	1.83
T, U	1.25

* Consult factory for Dimension "A" when multi-pin connector is desired.

BOTTOM VIEW

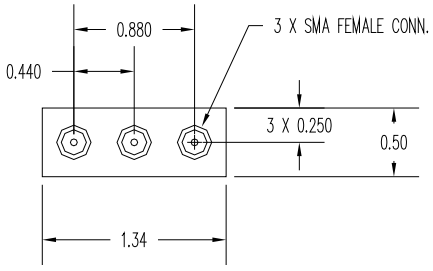


FAILSAFE MARKING

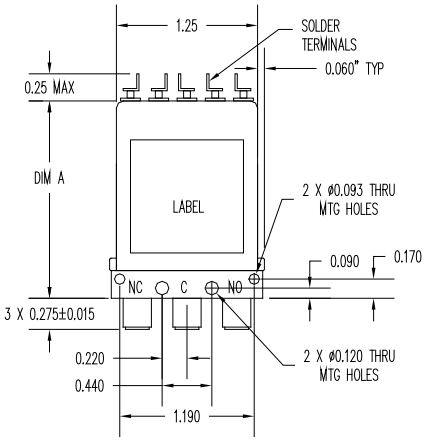


LATCHING MARKING

2SL / 2SLE



2SL / 2SLE



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