

**2B/2BE SERIES**  
**SPDT 50 OHM**  
**TERMINATED SWITCH**  
**DC-26.5 GHz** ◆ **SMA**

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

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

Both series are available with failsafe, latching self cut-off, or pulse latching functions.

<b>Weight (max.):</b>	5.5 oz
<b>RF Impedance:</b>	50 ohms nominal
<b>Operating Temperature:</b>	-25°C to +65°C ambient
<b>Operating Life:</b>	1,000,000 cycles min.
<b>Switching Sequence:</b>	Break Before Make

**SPECIFICATIONS**

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-4 GHz	1.20	0.20	80
4-8 GHz	1.30	0.30	75
8-12 GHz	1.40	0.40	70
12-18 GHz	1.50	0.50	60
18-26.5 GHz	1.50	0.50	60

Actuator Current (typical)	12Vdc	15 Vdc	24 Vdc	28Vdc
Fail-safe	375mA	300mA	180mA	170mA
Latching	335mA	270mA	180mA	165mA

\* 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	OPTION 4 ACTUATOR		OPTION 5 POLARITY
1 - 12 Vdc	<b>Fail-safe</b>		1 - Negative 2 - Positive 3 - Not Applicable
2 - 28 Vdc	A - Standard	C - Indicators	
3 - 15 Vdc	B - Diodes	D - Diodes, Indicators	<b>OPTION 6 TERMINALS</b>
5 - Other	Low Input Drivers with:    High Input Drivers with: E - Diodes                    EH - Diodes F - Diodes, Indicators    FH - Diodes, Indicators		
6 - 24 Vdc	<b>Latching Self Cut-Off</b>		1 - Solder Terminals 3 - Other (Specify) 4 - Sub Miniature D-Shell Connector
7 - 5 Vdc	G - Diodes	H - Diodes, Indicators	
	Low Input Drivers with:    High Input Drivers with: J - Diodes                    JH - Diodes K - Diodes, Indicators    KH - Diodes, Indicators		

**ADDITIONAL OPTIONS**

OPTION 7 STANDARD OPTIONS
1 - Moisture Seal
2 - High Temperature (125° C)
3 - Moisture Seal & High Temperature (125° C)
OPTION 8 BRACKETS
C - See Page 144

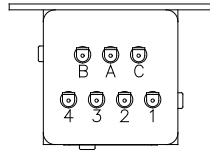
Please Note: Schematics may include optional Indicator Contacts. If your Actuator Option does not include Indicator Contacts, omit them from the schematic.

For "Additional Options" please contact Factory for part number

**2B/2BE**

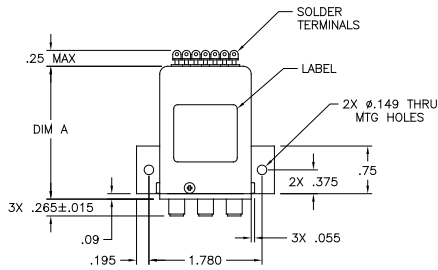
<b>Option 2</b> Series	<b>Option 3</b> Voltage	<b>Option 4</b> Actuator	<b>Option 5</b> Polarity	<b>Option 6</b> Terminals
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**TOP VIEW**

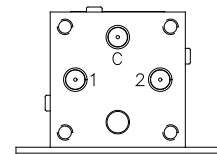
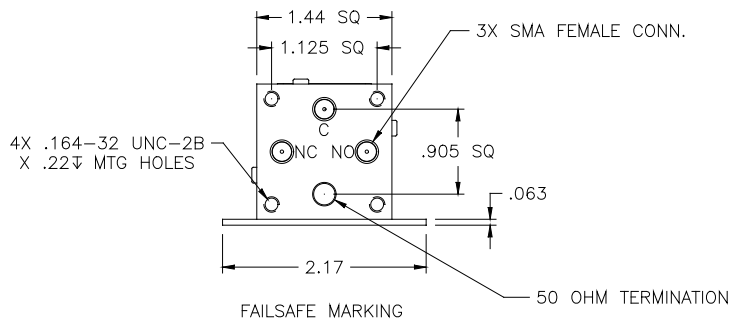


Actual markings will reflect terminal functions, not letter or number designation as shown above.

**FRONT VIEW**



**BOTTOM VIEW**



LATCHING MARKING

**DC TERMINAL FUNCTION**

PIN	FAILSAFE			LATCHING		
	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	C+/-	C RTN	C+/-
2	AV	AV+	C RTN	N/A	+ V SW	N/A
3	AV	AV-	+V SW	AV 2-/+	L 2	PV 2-/+
4	N/A	N/A	L	AV 1-/+	L 1	PV 1-/+

**SCHEMATICS**

Pages 132-137						
	S10	S11	S12	S13	S14	S15, S16

**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, D	1.87
E, EH, F, FH	2.09
J, JH, K, KH	2.09
G, H, V, W	1.87
T, U	1.46

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