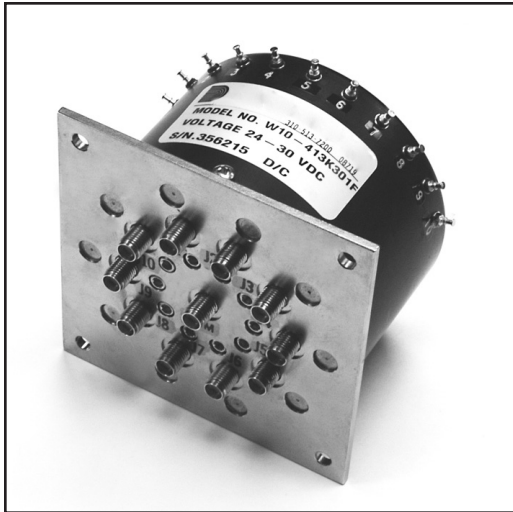


W SERIES
1P8T to 1P10T
MULTI POSITION SWITCH
DC-18 GHz ◆ **SMA**

Click Here to Request Quote



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

This series is available with normally open functions only.

RF Impedance:	50 ohms nominal
Temperature Range:	-35°C to +85°C ambient
Operating Life:	1,000,000 cycles min.
Switching Time:	15 mSec max.
Switching Sequence:	Break Before Make
Environmental:	Designed in Accordance to MIL-DTL-3928 (Testing and Operation Modes)

SPECIFICATIONS

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-3 GHz	1.20	0.20	80
3-8 GHz	1.30	0.30	70
8-12.4 GHz	1.40	0.40	60
12.4-15.5 GHz	1.50	0.50	60
15.5-18 GHz	1.80	0.80	55

Actuator Current (typical)	12Vdc	12-15 Vdc	20-24 Vdc	24-30Vdc
Normally Open	270mA	270mA	150mA	140mA

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

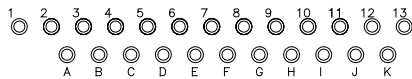
AVAILABLE OPTIONS

OPTION 2 RF CONNECTORS	OPTION 4 VOLTAGE	OPTION 5 ACTUATOR	OPTION 6 FREQUENCY	OPTION 8 SPECIAL OPTIONS
4 - SMA	1 - 6 Vdc +/- 10% 2 - 12 Vdc +/- 10% (USB Optional)	Normally Open	3 - DC to 18 GHz	L - TTL (High) LL - TTL (Low) 1 - Bracket F - Flange R - Reset (Latching Only) C - BCD T - Terminated U - USB
1 - Solder Terminals	3 - 24-30 Vdc	G - Diodes, Indicators (USB Optional) H - Indicators J - Diodes (USB Optional) K - Standard	OPTION 7 POLARITY	
2 - Circular Connector	4 - 48 Vdc +/- 10%			
4 - Sub Miniature D-Shell Connector	5 - 110 Vac +/- 10%		0 - Not Applicable, USB	
5 - USB	6 - 12-15 Vdc (USB Optional)		8 - Positive Common	
	7 - 18-20 Vdc		9 - Negative Common	
	8 - 20-24 Vdc			

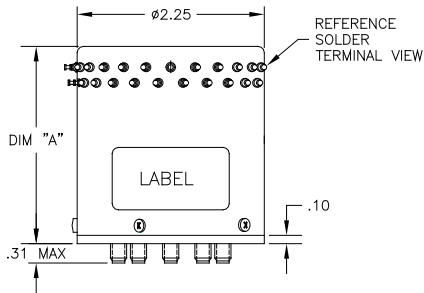
Please Note: USB integration can only be applied to Voltage Options 12Vdc, & 15Vdc, Polarity Option # 3, and Terminals Option # 3. The switch has a mini-USB socket on the enclosure interface which provides communication between switch and computers. Additionally, the enclosure also has a Molex socket for 12Vdc connection, which is required to power RF switch. The switch is accompanied with a CD driver, a 3 ft. USB cable and a 12 Vdc AC/DC adapter.

W	-	4	-	3
Option 1 Series		Option 2 RF Connectors	Option 3 Terminals	Option 4 Voltage
Option 1 Number of Positions			Option 5 Actuator	Option 6 Frequency
			Option 7 Polarity	Option 8 Special Options

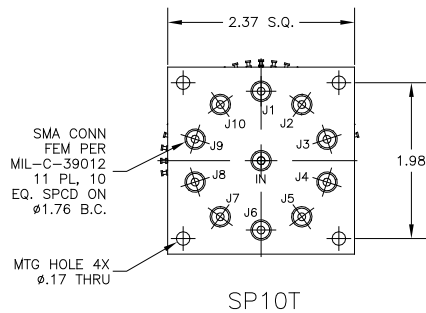
DC TERMINAL VIEW



FRONT VIEW



BOTTOM VIEW



DC TERMINAL FUNCTION

PIN	NORMALLY OPEN					
	J	K	J, K w/ TTL	G	H	G, H w/ TTL
1	N/A	N/A	N/A	N/A	N/A	N/A
2	COM+/-	COM	+A	COM+/-	COM	+A
3	1-/+	1	-B	1-/+	1	-B
4	2-/+	2	1	2-/+	2	1
5	3-/+	3	2	3-/+	3	2
6	4-/+	4	3	4-/+	4	3
7	5-/+	5	4	5-/+	5	4
8	6-/+	6	5	6-/+	6	5
9	7-/+	7	6	7-/+	7	6
10	8-/+	8	7	8-/+	8	7
11	9-/+	9	8	9-/+	9	8
12	10-/+	10	9	10-/+	10	9
13	N/A	N/A	10	N/A	N/A	10
A	N/A	N/A	N/A	COM	COM	COM
B	N/A	N/A	N/A	1	1	1
C	N/A	N/A	N/A	2	2	2
D	N/A	N/A	N/A	3	3	3
E	N/A	N/A	N/A	4	4	4
F	N/A	N/A	N/A	5	5	5
G	N/A	N/A	N/A	6	6	6
H	N/A	N/A	N/A	7	7	7
I	N/A	N/A	N/A	8	8	8
J	N/A	N/A	N/A	9	9	9
K	N/A	N/A	N/A	10	10	10

NOTE#1: RESET IF (R) OPTION IS SELECTED, OTHERWISE N/A

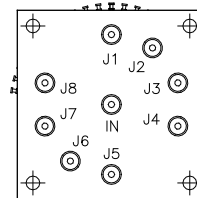
SCHEMATICS

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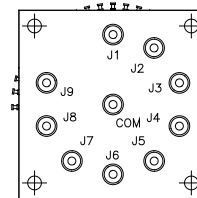
FIG.	29	29	30	29	29	30
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OUTLINE DRAWING DIMENSION "A"

2.10"	2.10"	2.36"	2.10"	2.10"	2.36"
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SP8T



SP9T