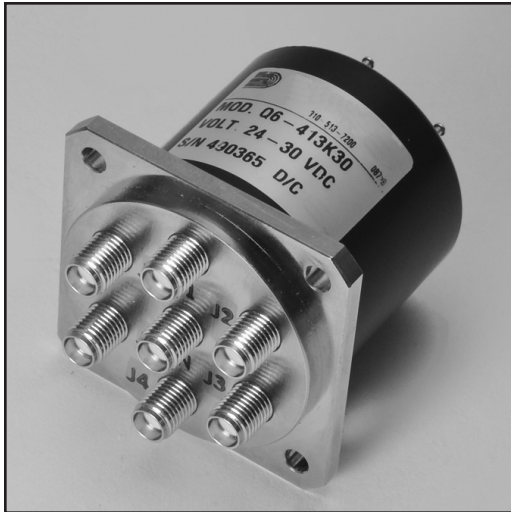


Q SERIES
1P3T to 1P6T
MULTI POSITION SWITCH
DC-18 GHz ◆ **SMA**

Click Here to Request Quote



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

This series is available with normally open functions.

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
12.4-18 GHz	1.50	0.50	60

Actuator Current (typical)	12Vdc	12-15 Vdc	20-24 Vdc	24-30Vdc
Normally Open	270mA	270mA	150mA	160mA

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

AVAILABLE OPTIONS

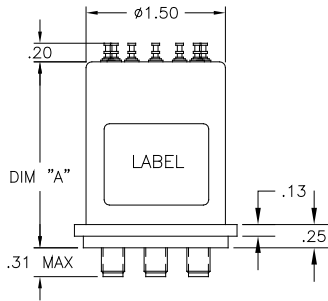
OPTION 2 RF CONNECTORS	OPTION 4 VOLTAGE	OPTION 5 ACTUATOR	OPTION 6 FREQUENCY	OPTION 8 SPECIAL OPTIONS
4 - SMA	1 - 6 Vdc +/- 10%	Normally Open	3 - DC to 18 GHz	L - TTL (High)
	2 - 12 Vdc +/- 10% (USB Optional)	G - Diodes, Indicators (USB Optional)		LL - TTL (Low)
	3 - 24-30 Vdc	H - Indicators (USB Optional)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

Please Note: USB integration can only be applied to Voltage Options 12Vdc, & 15Vdc, Polarity Option # 3, and Terminals Option # 3.

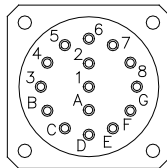
The switch has a mini-USB socket on the enclosure interface which provides communication between switch and computers. Additionally, the enclosure also has a Molex socket for 12Vdc connection, which is required to power RF switch. The switch is accompanied with a CD driver, a 3 ft. USB cable and a 12 Vdc AC/DC adapter.

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

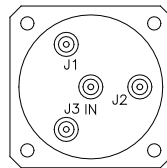
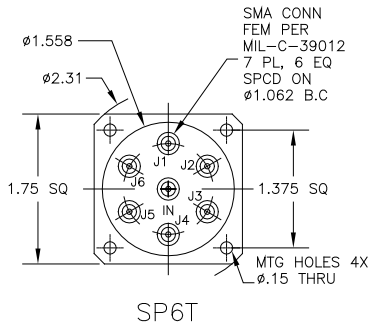
FRONT VIEW



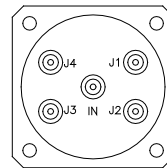
DC TERMINAL VIEW



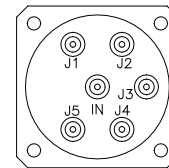
BOTTOM VIEW



SP3T



SP4T



SP5T

DC TERMINAL FUNCTION

NORMALLY OPEN						
PIN	J	K	J, K w/ TTL	G	H	G, H w/ TTL
1	COM+/-	COM	+A	COM+/-	COM	+A
2	1-/+	1	-B	1-/+	1	-B
3	2-/+	2	1	2-/+	2	1
4	3-/+	3	2	3-/+	3	2
5	4-/+	4	3	4-/+	4	3
6	5-/+	5	4	5-/+	5	4
7	6-/+	6	5	6-/+	6	5
8	N/A	N/A	6	N/A	N/A	6
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

SCHEMATICS

Pages 139-143					
FIG.	29	29	30	29	30

OUTLINE DRAWING DIMENSION "A"

1.60"	1.60"	2.25"	2.10"	2.10"	2.50"
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