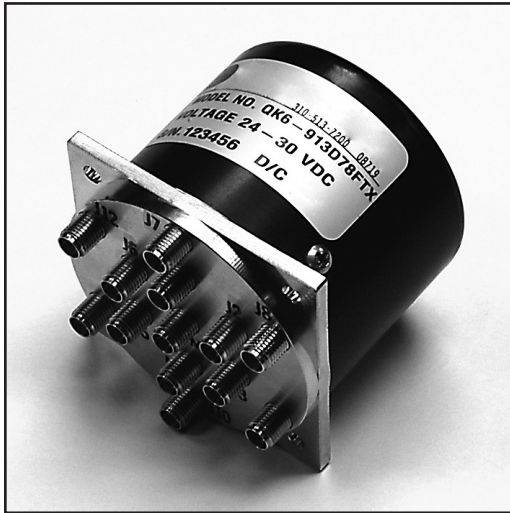


**QK SERIES**  
**1P3T to 1P6T MULTI POSITION 50**  
**OHM TERMINATED SWITCH**  
**DC- 40 GHz ◆ K**

**Click Here to Request Quote**



The **QK Series** features K connectors and a frequency range of DC to 40 GHz.

This series is available with latching self cut-off or normally open functions with terminations.

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

**SPECIFICATIONS**

Frequency	VSWR (max.)	Insertion Loss (dB max.)	Isolation (dB min.)
DC-6 GHz	1.30	0.20	70
6-12 GHz	1.40	0.40	60
12-18 GHz	1.50	0.50	60
18-26.5 GHz	1.70	0.70	55
26.5-40 GHz	2.00	1.00	50

Actuator Current (typical)	12Vdc	12-15 Vdc	20-24 Vdc	24-30Vdc
Normally Open	282mA	353mA	218mA	175mA

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

**AVAILABLE OPTIONS**

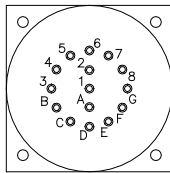
OPTION 2 RF CONNECTORS	OPTION 4 VOLTAGE	OPTION 5 ACTUATOR	OPTION 6 FREQUENCY	OPTION 8 SPECIAL OPTIONS
9 - K	1 - 6 Vdc +/- 10%	<b>Latching Self Cut-Off</b>	7 - DC to 40 GHz	L - TTL (High)
	2 - 12 Vdc +/- 10% (USB Optional)	D - Diodes (USB Optional)		LL - TTL (Low)
	3 - 24-30 Vdc	E - Diodes, Indicators (USB Optional)	<b>OPTION 7 POLARITY</b>	R - Reset (Latching Only)
<b>OPTION 3 TERMINALS</b>	4 - 48 Vdc +/- 10%		0 - Not Applicable, USB	T - Termination
1 - Solder Terminals	5 - 110 Vac +/- 10%		8 - Positive Common	U - USB
2 - Circular Connector	6 - 12-15 Vdc (USB Optional)		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.

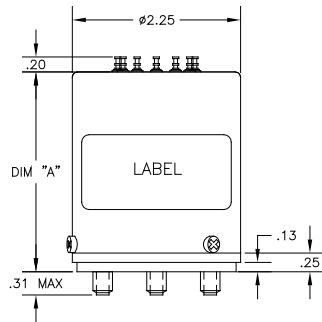
The switch has a mini-USB socket on the enclosure interface which provides communication between switch and computers. Additionally, the enclosure also has a Molex socket for 12Vdc connection, which is required to power RF switch. The switch is accompanied with a CD driver, a 3 ft. USB cable and a 12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

<b>QK</b>	-	<b>9</b>				<b>7</b>		
Option 1 Series		Option 2 RF Connector	Option 3 Terminals	Option 4 Voltage	Option 5 Actuator	Option 6 Frequency	Option 7 Polarity	Option 8 Special Options

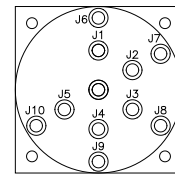
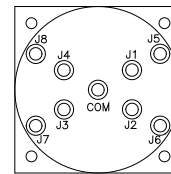
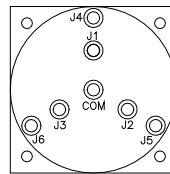
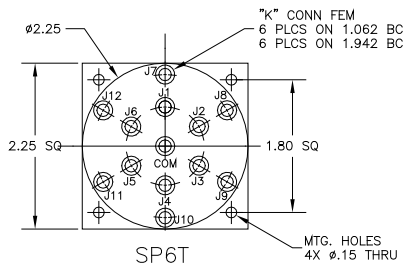
**DC TERMINAL VIEW**



**FRONT VIEW**



**BOTTOM VIEW**



**DC TERMINAL FUNCTION**

PIN	LATCHING			
	D	D w/ TTL	E	E w/ TTL
1	C -/+	+V SW	C -/+	+V SW
2	AV1 -/+	C RTN	AV1 -/+	C RTN
3	AV2 -/+	L1	AV2 -/+	L1
4	AV3 -/+	L2	AV3 -/+	L2
5	AV4 -/+	L3	AV4 -/+	L3
6	AV5 -/+	L4	AV5 -/+	L4
7	AV6 -/+	L5	AV6 -/+	L5
8	N/A	L6	N/A	L6
A	N/A	N/A	Ind COM	Ind COM
B	N/A	N/A	Ind 1	Ind 1
C	N/A	N/A	Ind 2	Ind 2
D	N/A	N/A	Ind 3	Ind 3
E	N/A	N/A	Ind 4	Ind 4
F	N/A	N/A	Ind 5	Ind 5
G	N/A	N/A	Ind 6	Ind 6

**SCHEMATICS**

Pages 139-143

FIG.	27	28	27	28
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**OUTLINE DRAWING DIMENSION "A"**

2.38"	2.38"	2.38"	2.38"
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