



### Feature

1. Metal shaft style.
2. Carbon element.
3. Wide range of resistance tapers.
4. Assorted pin layout.
5. Long Life Type Available.

### F131K Series Rotary Potentiometer

### Electrical characteristics

- Total Resistance.....1K $\Omega$ ~1M $\Omega$
- Total Resistance Tolerance.....500 $\Omega$  <R<1M $\Omega$ :  $\pm$ 20%  
R $\leq$ 500 $\Omega$  or R $\geq$ 1M $\Omega$ :  $\pm$ 30%
- Resistance Taper.....A,B,C
- Max. Operating Voltage.....Linear Taper B:AC 200V  
Other Tapers: AC 100V
- Rated Power.....Linear Taper B :0.1W  
Other Tapers:0.04W
- Rotational Noise.....Less than 300mV
- Residual Resistance.....Term. 1~2: Less than 3% of Total Resistance  
Term.2~3: Less than 3% of Total Resistance

### Mechanical characteristics

- Total Rotational Angle.....220 $^{\circ}$  $\pm$ 5 $^{\circ}$
- Rotational Torque.....5gf.cm~70gf.cm
- Stopper Strength.....3.0Kgf.cm Min.
- Push-Pull Strength.....5.0Kgf Min

### Durability

- Rotational Life.....Standard life: 100,000 Cycles Min.  
Long life: 1,000,000 Cycles Min.
- Operating Temperature Range.....-10 $^{\circ}$ C ~ +70 $^{\circ}$ C

### HOW TO ORDER

F131K-	F	1	C	B	100K	1	T0
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**Model Series**

**Shaft Type & Length**  
See Note 1

**Full CCW Position**  
See Note 2

Code	Resistance Taper
A	Audio (15A)
B	Linear (0B)
C	Reverse Audio(15C)
D	Audio (10A)

**Total Resistance**

1K
2K
5K
10K
20K
50K
100K
200K
500K
1MEG

Code	Operation Life
(Blank)	Std. Life w/o anti-sulfur
1	Std. Life w/ anti-sulfur
6	Long Life w/ anti-sulfur
7	Long Life w/o anti-sulfur

  

Code	D0	E0	F0	F4	G0	J0	M0	R0	S0	T0
Angle	60°	70°	80°	84°	90°	120°	150°	200°	210°	220°

### Note 1: Shaft Type and Lengths

**F-Type**

Code	1	2	3
L	10	15	20
F	5	7	7

**S-Type**

Code	1	2
L	7	14

**H-Type**

Code	1	2	3
L	10	15	21
H	5	5	7

### Note 2: Full C.CW Shaft Position:

**F-type shaft**

A □

C □

Full C.C.W Position  
20°±10°

D □

20°±10°  
Full C.C.W Position

B □

Full C.C.W Position  
20°±10°

**H-type shaft**

A □

Full C.C.W Position  
20°±10°

C □

Full C.C.W Position  
20°±10°

**S-type shaft**

A □

Full C.C.W Position  
20°±10°

C □

Full C.C.W Position  
20°±10°

### F131K-F Top Adjust, 1 Gang, F-type shaft

P.C.B layout Dimension      Panel layout

Schematic