

Feature

1. Metal shaft style.
2. Carbon film element.
3. Assorted pin layout.
4. Long Life Type Available.

F24KM Series Rotary Potentiometer

Electrical characteristics

- Total Resistance.....1K Ω ~1M Ω
- Total Resistance Tolerance.....500 Ω <R<1M Ω : $\pm 20\%$
R $\leq$ 500 Ω or R $\geq$ 1M Ω : $\pm 30\%$
- Resistance Taper.....A,B,C
- Max. Operating Voltage.....Linear Taper B:AC 500V,
Other Tapers: AC 250V
- Rated Power.....Linear Taper B : 0.5W; Other Tapers:0.25W
- Rotational Noise.....Less than 100mV
- Insulation Resistance.....More than100M Ω at DC 500V
- Withstand Voltage.....1 minute at AC 500V
- Residual Resistance.....Term.1~2:Less than 10 Ω
Term.2~3:Less than 10 Ω

Mechanical characteristics

- Total Rotational Angle.....300° $\pm$ 10°
- Rotational Torque.....20 ~150 gf.cm
- Stopper Strength.....5.0Kgf.cm Min.
- Push-Pull Strength.....10.0Kgf Min

Switch characteristics

- Switch Circuit.....S.P.S.T.
- Contact Resistance.....Less than 50m Ω
- Rated Power.....1.0A at AC / DC 125V
- Switch Angle.....50° $\pm$ 10°
- Switch Torque.....300gf.cm~800gf.cm
- Switch Life.....15,000 Cycles.

Durability

- Rotational Life.....Standard life: 15,000 Cycles Min.
Long life: 1Million Cycles Min.
- Operating Temperature Range.....-10°C ~ +70°C

HOW TO ORDER

F24KM-	N	P	M	F	1	C	B	100K
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Model Series

Code	Switch Type
N	No Switch
S	With Rotary Switch

Code	Terminal Configuration
V	Side Adjust, PC Pins
P	Top Adjust, Solder Lugs
H	Top Adjust, PC Pins
See Note 3	

Shaft Type & Length

See Note 1

Full CCW Position

See Note 2

Code	Resistance Taper
A	Audio (15A)
B	Linear (1B)
C	Reverse Audio(15C)
D	Audio (10A)

Total Resistance

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

Code	Bushing Material
P	Plastic
M	Metal

Code	Operation Life
(Blank)	Std. Life w/o anti-sulfur
1	Std. Life w/ anti-sulfur
2	Long Life w/ anti-sulfur(No Switch)
3	Long Life w/o anti-sulfur(No Switch)

Note 1: Shaft Type & Shaft Length:

Q-Type

F-Type

A-Type

Machined Shaft:

Code	1	2	3	4	5
L	15	20	25	30	35
P	7	12	14	14	14
T	6	10	12	12	12
M	1	2	2	4	4

S-Type

R-Type

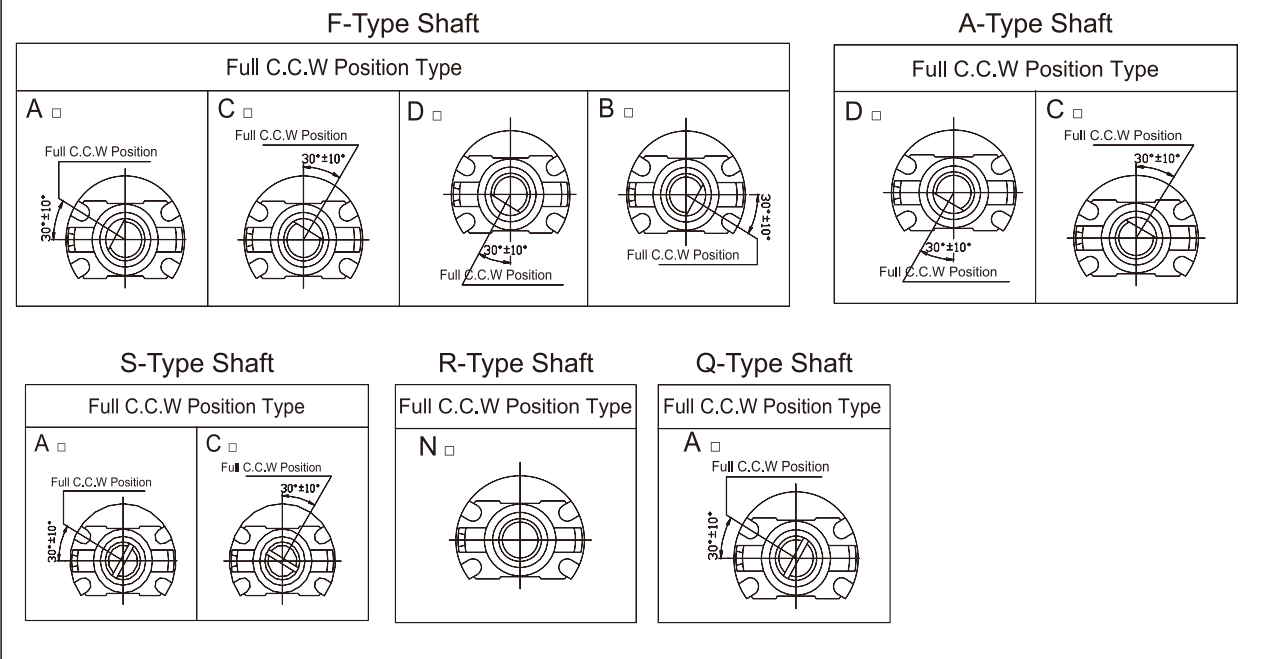
Die Casting Shaft:

Code	1	2	
L	15	25	
F	7	12	

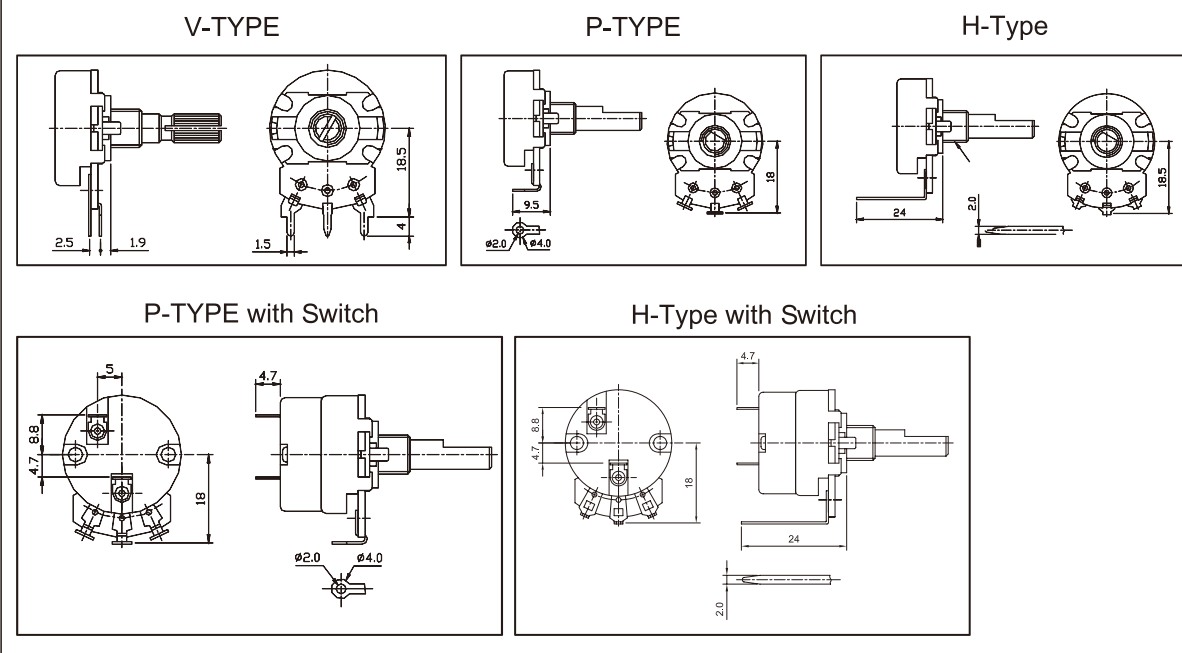
Code	1	2	3	4	5
L	15	20	25	30	35

Code	1	2	3	4	5
L	15	20	25	30	35

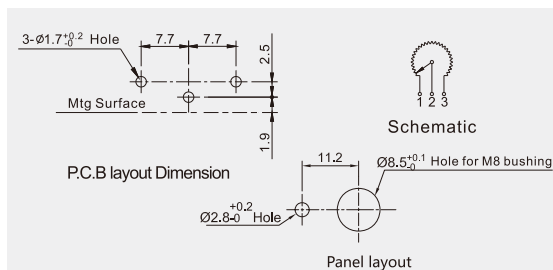
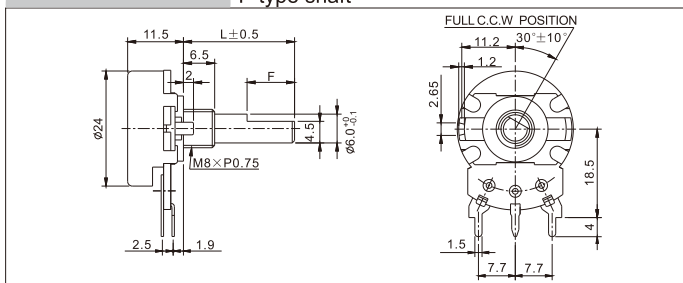
Note 2: Full C.CW position



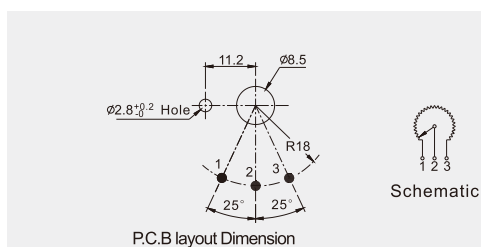
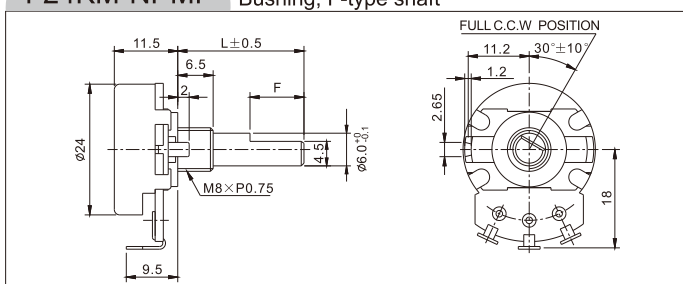
Note 3: Terminal Configuration



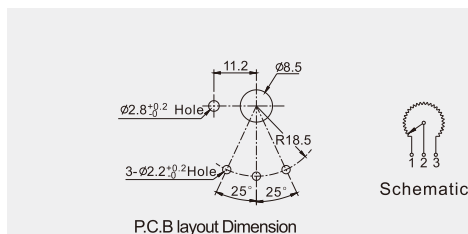
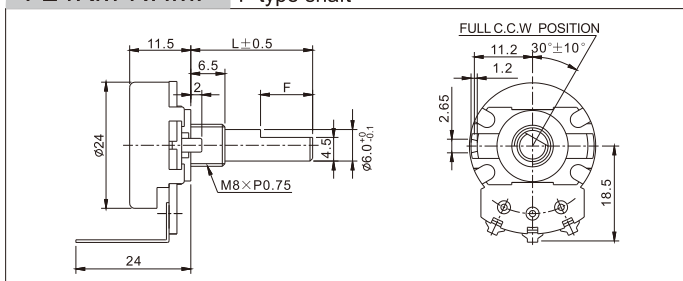
F24KM-NVMF No switch, Side Adjust, PC Pins, Metal Bushing, F-type shaft



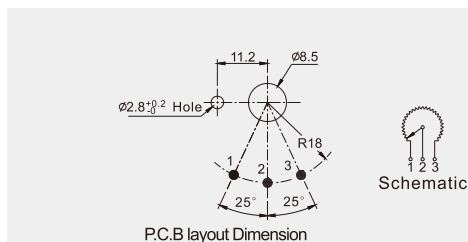
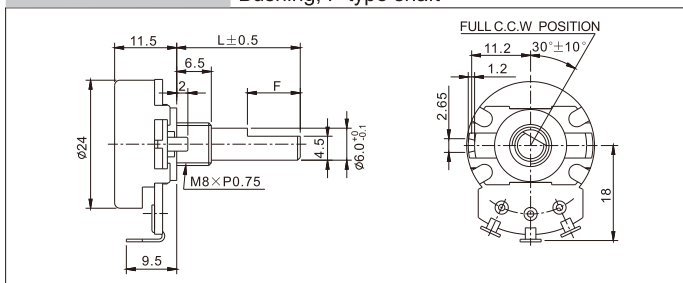
F24KM-NPMF No switch, Top Adjust, Solder Lugs, Metal Bushing, F-type shaft



F24KM-NHMF No switch, Side Adjust, PC Pins, Metal Bushing, F-type shaft



F24KM-NPPF No switch, Top Adjust, Solder Lugs, Plastic Bushing, F-type shaft



F24KM-SPMF with rotary switch, Top Adjust, Solder Lugs, Metal Bushing, F-type shaft

