

Feature

1. Flux build-up prevention is taken through inserting molding around the resistor with resin.
2. A large variety of products lined up to support various applications.
3. With Dual shaft adjustment.
4. Long Life Type Available.

F092 Series Rotary Potentiometer

Electrical characteristics

- Total Resistance..... $1K\Omega \sim 1M\Omega$
- Total Resistance Tolerance..... $500\Omega < R < 1M\Omega : \pm 20\%$
 $R \leq 500\Omega \text{ or } R \geq 1M\Omega : \pm 30\%$
- Resistance Taper.....A,B,C
- Max. operating Voltage.....AC50V,DC10V
- Rated Power.....Linear Taper B:0.05W
Other Tapers:0.025W
- Rotational Noise.....Less than 100mV
- Insulation Resistance.....More than $100M\Omega$ at DC 250V
- Withstand Voltage.....1 minute at AC 300V
- Residual Resistance.....Term.1~2:Less than 20Ω
Term.2~3:Less than 20Ω

Mechanical characteristics

- Total Rotational Angle..... $300^\circ \pm 10^\circ$
- Click Torque.....50gf.cm~200gf.cm
- Stopper Strength.....4.0Kgf.cm Min.
- Push-Pull Strength.....6.0Kgf Min
- Rotational Torque(Outer Shaft).....5gf.cm~90gf.cm
- Rotational Torque(Inner Shaft).....3gf.cm~60gf.cm

Durability

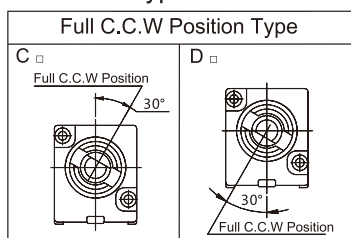
- Rotational Life.....Standard life: 15,000 Cycles Min.
Long life: 100,000 Cycles Min.
- Operating Temperature Range..... $-10^\circ\text{C} \sim +70^\circ\text{C}$

Switch characteristics

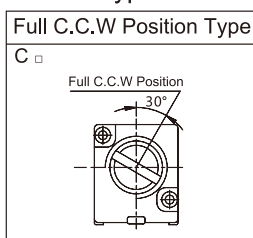
- Rated Power.....3.0A at DC 16v
- Contact Resistance.....Less than 100m Ω
- Switch Angle.....50 ° Max
- Switch Torque.....100 ~350 gf.cm.

Note 2: Full C.CW Shaft Position:

F-Type shaft



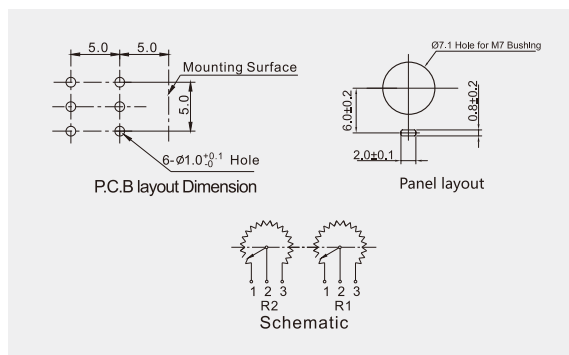
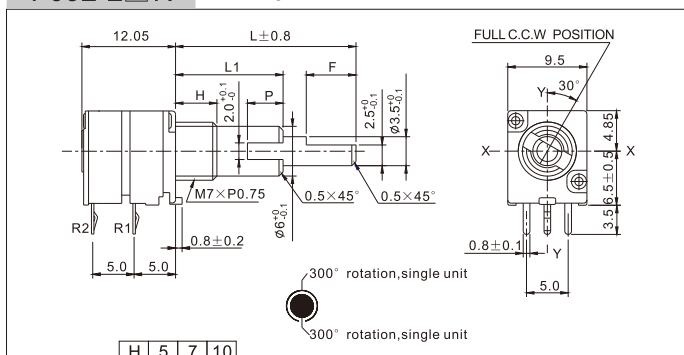
Q/S-Type shaft



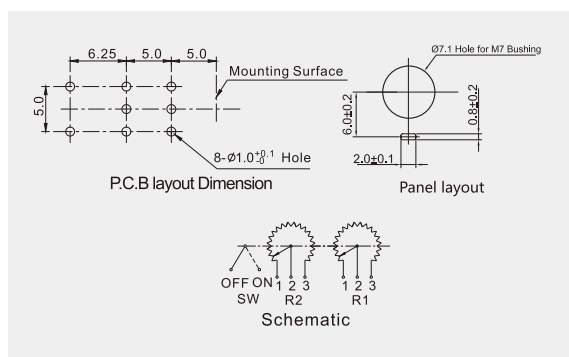
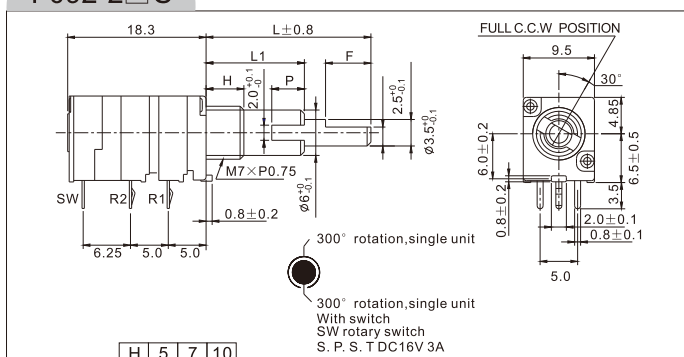
HOW TO ORDER

F092-		2	5	S	1	1	F	1	C	B	100K	
Model Series		Gang Number		Switch Type		Shaft Type & Length		Full CCW Position		Total Resistance		
Code		Code		Code		See Note 1		See Note 2		1K		
2		2 Gangs		N						2K		
3		3 Gangs		S						5K		
4		4 Gangs						Code		10K		
6		6 Gangs						Resistance Taper		20K		
								A		50K		
								B		100K		
								C		200K		
								D		500K		
										1MEG		
Code		Length Of Bushing		Inner Sharft		Outer Sharft						
5		5.0mm		Code		Detent Option						
7		7.0mm		0		No Shaft Detent						
0		10mm		1		With Shaft Center Detent						
				2		With 11 Inner Shaft Detents						
				3		With 21 Inner Shaft Detents						
				4		With 41 Inner Shaft Detents						
								Code		Operation Life		
								(Blank)		Std. Life w/o anti-sulfur		
								1		Std. Life w/ anti-sulfur		
								2		Long Life w/ anti-sulfur		
								3		Long Life w/o anti-sulfu		

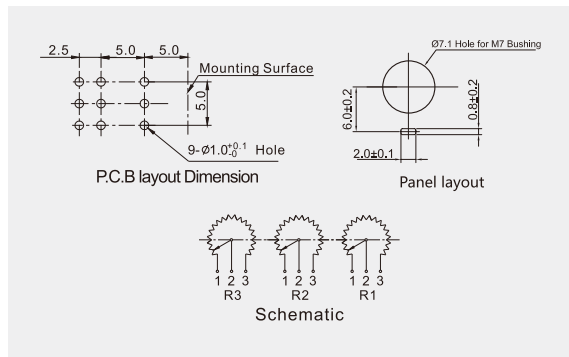
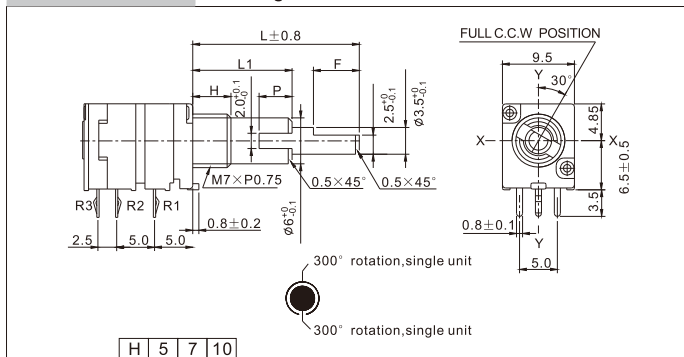
F092-2□N 2 Gang, No Switch



F092-2□S 2 Gang, With Rotary Switch



F092-3□N 3 Gang, No Switch



F092-4□N 4 Gangs, No Switch

