

# RotaSet® Semiprecision / Precision Single Turn Conductive Plastic Potentiometers

Rotary position sensing & setting potentiometers generally require some rotational life and good resolution. Very low cost carbon potentiometers cannot provide the minimum number of rotations. A new Carbonplast formulation gives low cost Semi-Precision potentiometers & improved life performance (~ 500,000 revolutions) at reasonable prices. For longer rotational life (>1 million revolutions) complex formulations & precision precious metal wipers are required. (See precision RotaSet®, RotaCon® or RotaSense® potentiometers).

## C16P

### 16/24 mm Ø Semi - Precision Carbonplast Single Turn Potentiometer

## C24P



Detailed Datasheet :  
www.megauto.de/en/c16p.pdf

- Very low cost industrial high resolution setting and sensing potentiometer for limited rotational life, with endstops.
- A new Carbonplast paste formulation for improved operating life.
- Resistance value (Ω) : 1K,5K,10K
- Resistance tolerance : ±20%
- Operating temperature : -10° to 85° C
- Options : Special shaft length, Radial terminals, Dual ganged.

Type	C16P	C24P
Housing diameter	16mm Ø	24mm Ø
Bushing size	M6 X 0.75	M9 X 0.75
Shaft dia. X length	3.2mm Ø X 20	6mm Ø X 20
Linearity tolerance	±2%	±2%
Eff.Elec. angle (°)	230±10	270±10
Mechanical angle (°)	260±5	300 ±5
Rated wattage	0.25 Watt	0.5 Watt
Rot. Life (Rotations)	~ 250,000	~ 600,000



Detailed Datasheet :  
www.megauto.de/en/c24p.pdf

## 2C24P

### 24 mm Ø Semi Precision Carbonplast Potentiometer Dual ganged (2C24P) and with Switch (C24PS)

## C24PS

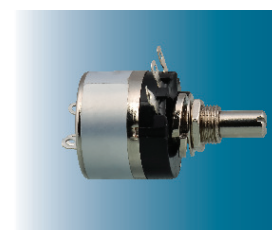


Dual ganged

Detailed Datasheet :  
www.megauto.de/en/2c24p.pdf

- Low cost industrial high resolution setting and sensing potentiometer for limited rotational life.
- Switching circuit with Integrated S.P.D.T. switch at starting point (for C24PS).
- A new carbonplast paste formulation for improved operating life.
- Dual ganged (2C24P).

Type	2C24P	C24PS
Housing dia.	24 Ø mm	24 Ø mm
Bushing size	M9 X 0.75	M9 X 0.75
Linearity Tol. (%)	±2	±2
Shaft dia. X length	6mm Ø X 20	
Eff. elec. angle (°)	270±10	230±10
Mech.angle (°)	300±5	300±5
Rated wattage	0.5 Watt	0.5 Watt
Rot. Life (Rotations)	~ 600,000	~ 600,000



Switching circuit with Integrated S.P.D.T switch at starting point.

Detailed Datasheet :  
www.megauto.de/en/c24ps.pdf

## R22NP/PC

### 22/23 mm Ø Precision Single Turn Conductive Plastic Potentiometer With Endstop (R22NP/R23NP) & Without Endstop (R22NPC/R23NPC)

## R23NP/PC



Detailed Datasheet :  
www.megauto.de/en/r22np.pdf  
www.megauto.de/en/r22npc.pdf

- Low cost precision potentiometer
- Industrial standard for setting and sensing applications.
- Almost infinite resolution available
- Resistance value(Ω):1K,5K,10K±20%
- Linearity tolerance : 1.5%
- Power rating : 1 Watt
- Operating temperature : -55° to 105°C
- Center tap, special torque.
- Rotational life : ~ 3 million rotations

Type	R22P/PC	R23P/PC
Housing dia. / Material	22mm / Metal	23mm / Plastic
Bushing	3/8" X 32 TPI	3/8" X 32 TPI
Shaft dia. X length	6.35mm Ø X 22	6.35mm Ø X 20
Eff.Electrical angle (°)	340 (R22NP) 340 (R22NPC)	320 (R23NP) 340 (R23NPC)
Mechanical angle (°)	340(R22NP) 360(R22NPC)	330(R23NP) 360 (R23NPC)
Antirotation pin (mm)	1.5 Ø X 1.5	2 Ø X 1.5



Detailed Datasheet :  
www.megauto.de/en/r23np.pdf  
www.megauto.de/en/r23npc.pdf

## JSP22B

### 22 mm Ø Precision Single Turn Conductive Plastic Potentiometer without Endstop (JSP22B) & with Endstop (JSP23B)

## JSP23B



Detailed Datasheet :  
www.megauto.de/en/jsp22b.pdf

- 22mm plastic housing
- Resistance value (Ω) : 1K,5K,10K.
- Resistance tolerance : ±20%.
- Operating life : ~ 4 million.
- Rated wattage : 1 Watt
- Operating temperature : -55° to 105°C
- Special shaft lengths
- Optional linearity : 1%

Type	JSP22B	JSP23B
Housing diameter	22 mm	22 mm
Bushing Size	M10 X 0.75	M10 X 0.75
Shaft dia. X length	6mm Ø X 22	6mm Ø X 22
Linearity Tol. (%)	±1.5	±1.5
Eff. elec. angle (°)	340±5	320±5
Mechanical angle (°)	360	320±5
Rot. Life (Rotations)	~ 4 million	~ 4 million



Detailed Datasheet :  
www.megauto.de/en/jsp23b.pdf