

# RP16

## 16 mm Carbon Potentiometer



### FEATURES

- Carbon resistive element.
- Polyester substrate.
- RoHS Compliant\*
- Upon request:
  - Stereo matching.
  - Nut & washer.
  - Plastic Shaft & Plastic Bushing models.

### MECHANICAL SPECIFICATIONS

- Mechanical rotation angle:  $300^{\circ} \pm 10^{\circ}$
- Torque: 10 to 80gf.cm
- Stop torque: > 4Kgf.cm
- Life\* 10,000 cycles

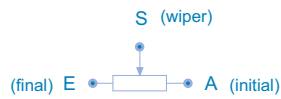
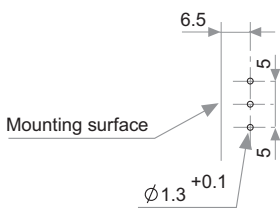
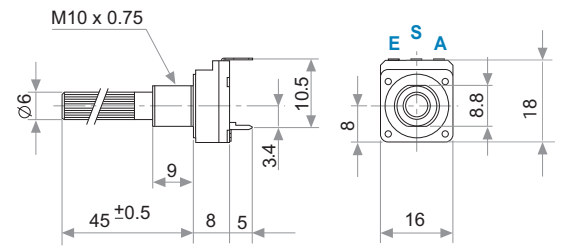
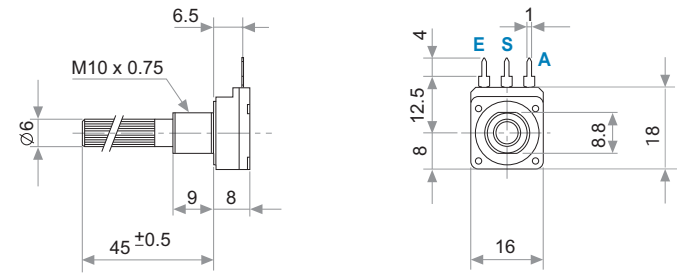
### ELECTRICAL SPECIFICATIONS

- Range of values\*  
 $1K\Omega \leq R_n \leq 2M$
- Standard tolerance\*:  $\pm 20\%$
- Max. Voltage: 200VDC
- Power Rating 70°C : 0.2 W
- Taper\* ; Linear, Reverse log, Log
- Residual resistance\*:  $\leq 10\Omega$
- Noise:  $\leq 68mV$
- Operating temperature\*\*:  $-10^{\circ}C + 70^{\circ}C$

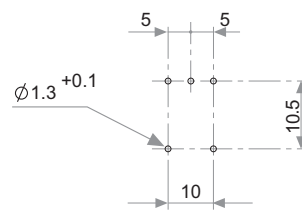
### TESTS

Low temperature resistance	16h. @20°C
Ordinary atmospheric pressure	86~106kPa
TEMPERATURE COEFFICIENT	-10°C + 70°C
Heat resistance	16 h. @ 85°C
Moisture resistance	96 h. @ 40°C @ 95% RH

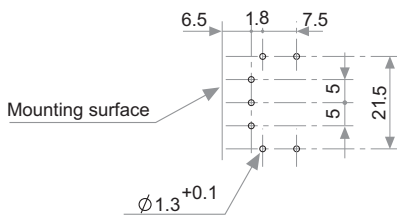
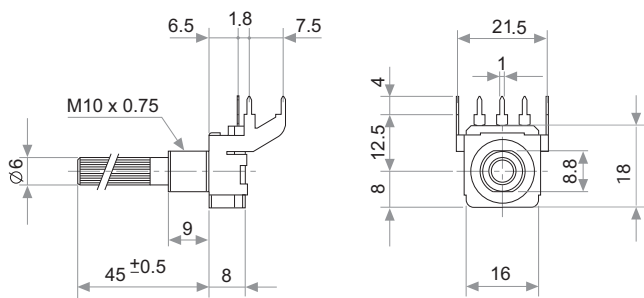
## MODELS



RP16HK.....



RP16VP.....M1



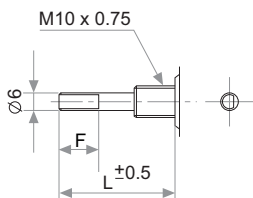
RP16HK.....M2

## GENERAL TOLERANCE

Dimension: Less than 10±0.3mm  
 Above 10~30±0.5mm  
 Above 30~100±1mm  
 Angle: Above ±5°

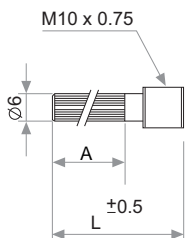
## PLASTIC SHAFTS

### Shaft Styles



#### F Type

L	18	24
F	7	7

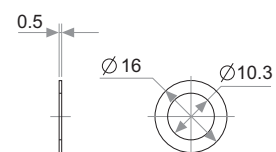
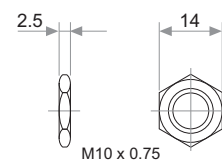


#### K Type

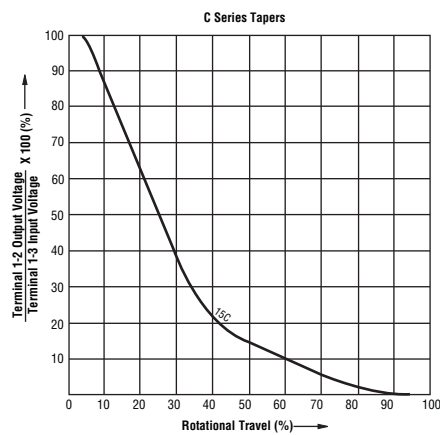
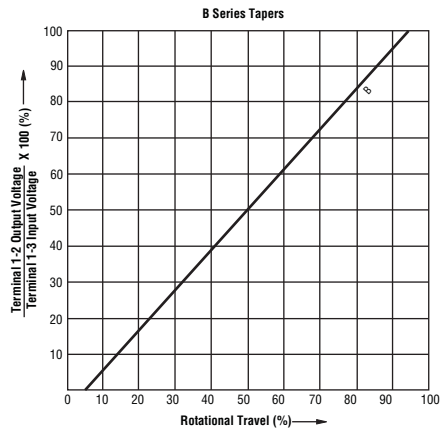
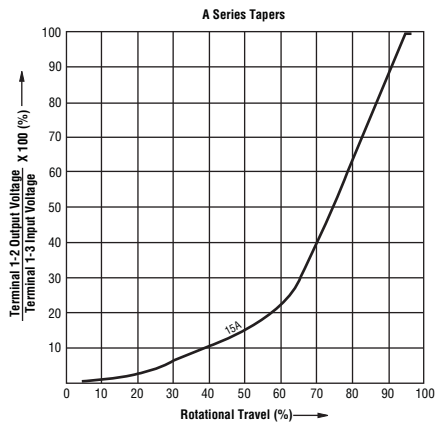
L	20	24	30	45
A	8.5	8.5	8.5	31.5

## NUTS & WASHERS

### Bushing 10



## Tapers



## How To Order

RP16- H K F24 M1 - A 103 -2020

Model \_\_\_\_\_

Mounting style \_\_\_\_\_

H= Horizontal

V = Vertical

Terminal Configuration  
(Pin Layout) \_\_\_\_\_

(see individual drawings)

- K = PC Pins vertical/  
Down Facing

- P = PC Pins  
Rear Facing

Shaft Style & Shaft Length \_\_\_\_\_

- F = Plastic Flatted Shaft

- 18 = 18 mm

- 24 = 24 mm

- K= Plastic Knurled Type Shaft

- 30 Toothed Serration Type

- 20 = 20mm

- 24 = 24 mm

- 30 = 30 mm

- 45 = 45 mm

Mounting brackets \_\_\_\_\_

M1(See Drawing)

M2(See Drawing)

Resistance Taper \_\_\_\_\_

- A = Reverse log

- B = Linear

- C = Log

Resistance Code (See Table) \_\_\_\_\_

Tolerance \_\_\_\_\_

- 2020= ±20%

- 1010= ±10%

## Standard Resistance Table

Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205