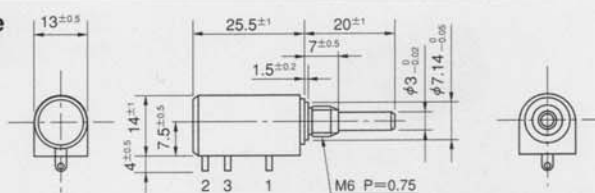


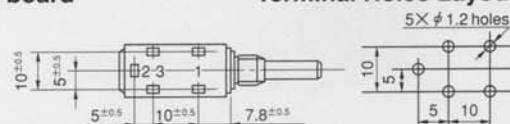
● Standard Dimensions

■ Bushingmount type  
● With lug terminals



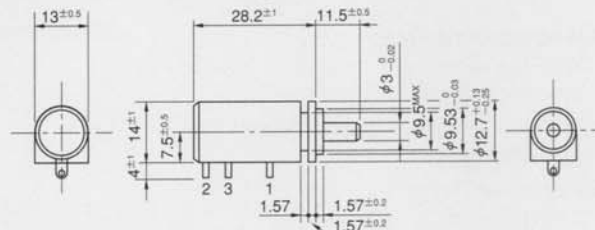
● With pin terminals for p.c. board

Terminal Holes Layout



Note: 1. 1 pc. each inner teeth washer and hex nut are attached.  
2. Please process the mounting hole on the panel to be mounted with this potentiometer by the diameter of 7.14mm +0.05.

■ Servomount type



Note: Servomount type with pin terminals for p.c. board is also available.

● Standard Model Nos.

Bushingmount type:

With lug terminals:

12HHP-10

With pin terminals for p.c. board:

12HHP-10P

Servomount type:

12HHP-10

● General Specifications

Standard Resistance

Values: 1k, 2k, 5k, 10k, 20k, 50k ( $\Omega$ )

Max. Practical

Resistance Value: 100k  $\Omega$

Total Resistance

Tolerance: Standard Class  $\pm 10\%$  (K)  
Precision Class  $\pm 5\%$  (J)

Independent Linearity

Tolerance: Standard Class  $\pm 0.4\%$   
Precision Class  $\pm 0.1\%$   
( $\pm 0.2\%$  in case of below 5k  $\Omega$ )  
Resolution: Essentially infinite  
Output Smoothness: Below 0.05% against input voltage

Resolution:

Output Smoothness:

Contact Resistance

Variation: Below 5% C.R.V.

Power Rating:

Electrical Travel: 3,600°  $\pm 5^\circ$

Mechanical Travel: 3,600°  $+15^\circ$   
0°

Insulation Resistance: Over 1,000M  $\Omega$  at 500V.D.C.

Dielectric Strength: 1 minute at 1,000V.A.C.

Starting Torque: Below 3mN  $\cdot$  m (30gf  $\cdot$  cm)

(Bushingmount type)

Below 2mN  $\cdot$  m (20gf  $\cdot$  cm)

(Servomount type)

Approx. 0.15N  $\cdot$  m (1.5kgf  $\cdot$  cm)

Stopper Strength:

Max. Torque exerted

on fastening the

mounting nut to the

bushing:

Max. Working Voltage:

Resistance

Temperature

Coefficient:

Mass:

Below 0.8mN  $\cdot$  m (8kgf  $\cdot$  cm)

450V

$\pm 100$ p.p.m./ $^\circ$ C

Approx. 10g

● Special Specifications Available

5-turn type (S12HHP-5), Shaft with front and rear extension (Rear shaft with 0.8mm dia. and 10mm length), Special machining on the shaft, Simple sealed housing (in case of servomount type, the housing length becomes longer by 1.5mm.).

Features of Hybrid resistive element

The hybrid resistive element type potentiometer is the newest type potentiometer, in which the merits of a wirewound resistive element are combined with those of a film type resistive element.

■ Main Features

- Good stability of resistance value
- Good resistance temperature coefficient
- Essentially infinite resolution
- Less resistance variation
- Long life expectancy 10,000,000 shaft revolutions

■ Construction

