



## General Specifications

<b>Standard Resistance Values:</b>	2k, 5k, 10k, 20k, 50k ( $\Omega$ )	<b>Insulation Resistance:</b>	Over 1,000M $\Omega$ at 500V.D.C.
<b>Max. Practical Resistance Value: Total Resistance Tolerance:</b>	100k $\Omega$ Standard Class $\pm 10\%$ (K) Precision Class $\pm 5\%$ (J)	<b>Dielectric Strength:</b>	1 minute at 1,000 V.A.C.
<b>Independent Linearity Tolerance:</b>	Standard Class $\pm 0.4\%$ Precision Class $\pm 0.1\%$ ( $\pm 0.2\%$ in case of within 5k $\Omega$ )	<b>Starting Torque:</b>	Within 3mN·m (30gf·cm) (Bushingmount type) Within 2mN·m (20gf·cm) (Servomount type) Approx. 0.15N·m (15kgf·cm)
<b>Resolution:</b>	Essentially infinite	<b>Stopper Strength: Max. Torque exerted on fastening the mounting nut to the bushing:</b>	
<b>Output Smoothness:</b>	Within 0.05% against input voltage	<b>Max. Working Voltage:</b>	Within 0.8mN·m (80kgf·cm)
<b>Contact Resistance Variation:</b>	Within 5% C.R.V.	<b>Resistance Temperature Coefficient:</b>	450V
<b>Power Rating: Electrical Travel:</b>	1.0 W 3,600° $\pm 5^\circ$	<b>Mass:</b>	$\pm 100$ p.p.m./ $^\circ\text{C}$ Approx. 109
<b>Mechanical Travel:</b>	3,600° $+15^\circ$ $0^\circ$		

## 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 infinity resolution
- Less resistance variation
- Long life expectancy 10,000,000 shaft revolutions

### Construction

