MODEL 12HHP-10

(Bushingmount Servomount)

(with metric dimensions)

Model 12HHP-10 (Bushingmount)

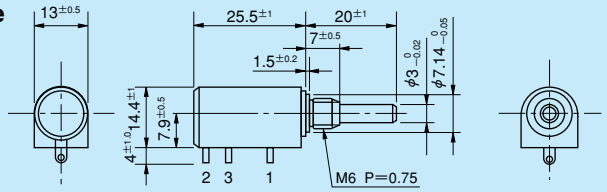
Model 12HHPS-10 (Servomount)

●Standard Model Nos.

Bushingmount type:
With lug terminals:
12HHP-10
With pin terminals for p.c. board:
12HHP-10P
Servomount type:
12HHPS-10

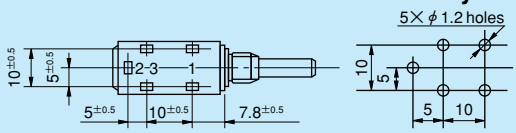
●Standard Dimensions

■**Bushingmount type**
●**With lug terminals**



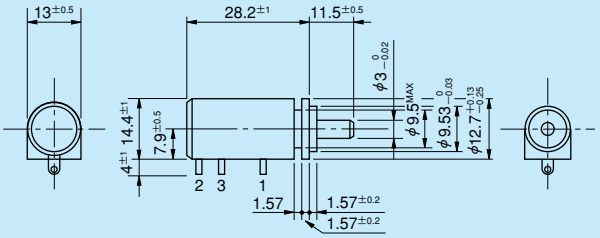
●**With pin terminals for p.c. board**

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 $^{+0.05}_{0}$.

■**Servomount type**



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

●General Specifications

Standard Resistance Values:	2k, 5k, 10k, 20k, 50k (Ω)
Max. Practical Resistance Value:	100kΩ
Total Resistance Tolerance:	Standard Class ±10% (K) Precision Class ±5% (J)
Independent Linearity Tolerance:	Standard Class ±0.4% Precision Class ±0.1% (±0.2% in case of within 5kΩ)
Resolution:	Essentially infinite
Output Smoothness:	Within 0.05% against input voltage
Contact Resistance Variation:	Within 5% C.R.V.
Power Rating:	1.0W
Electrical Travel:	3,600° ±5°
Mechanical Travel:	3,600° $^{+15°}_{0°}$
Insulation Resistance:	Over 1,000MΩ at 500V.D.C.
Dielectric Strength:	1 minute at 1,000V.A.C.
Starting Torque:	Within 3mN・m (30gf・cm) (Bushingmount type) Within 2mN・m (20gf・cm) (Servomount type)
Stopper Strength:	Approx. 0.15N・m (1.5kgf・cm)
Max. Torque exerted on fastening the mounting nut to the bushing:	Within 0.8mN・m (8kgf・cm)
Max. Working Voltage:	450V
Resistance Temperature Coefficient:	±100p.p.m./℃
Mass:	Approx. 10g

●Special Specifications Available

5-turn type (S12HHP-5), Lower resistance value(1KΩ), Rear shaft (0.8mm dia. and 10mm length) 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