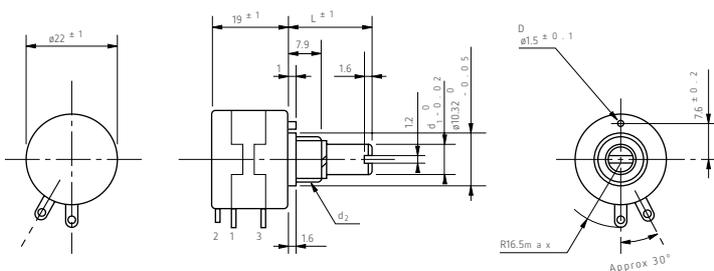




α 22HHP

Standard dimensions (with metric dimensions)

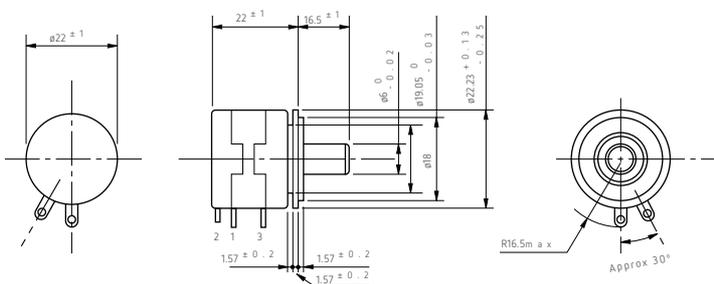
Bushingmount type



Model 22HHP-10 (Bushingmount)

Note: Dimensions of shaft and bushing are equal to those of model 22HP series with wirewound resistive element and please refer to those dimensions and notes

Servomount type (bronze bearing incorporated)



Model 22HHPS-10 (Servomount)

Standard Model Nos.

Bushingmount type:

5-turn models:	22HHP-5	22HHP-5M
	22HHP-5E	22HHP-5N
10-turn models:	22HHP-10	22HHP-10M
	22HHP-10E	22HHP-10N

Servomount type:

5-turn models:	22HHPS-5
10-turn models:	22HHPS-10

General Specifications

Standard Resistance

Values: 1k, 2k, 5k, 10k, 20k, 50k (Ω) (5-turn)
2k, 5k, 10k, 20k, 50k, 100k (Ω) (10-turn)

Total Resistance

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

Independent Linearity

Tolerance:		<u>5-turn</u>	<u>10-turn</u>
	Standard Class	$\pm 0.35\%$	$\pm 0.25\%$
	Precision Class	$\pm 0.2\%$	$\pm 0.1\%$

Resolution:

Essentially infinite

Output Smoothness:

Within 0.05% against input voltage (5-turn)
Within 0.015% against input voltage (10-turn)

Contact Resistance Variation:	Within 5% C.R.V. (5-turn) Within 3% C.R.V. (10-turn)
Power Rating: Electrical	1.0W (5-turn) 2.0W (10-turn)
Travel: Mechanical Travel:	360° X n ±5° (n: No. of turns) 360° X n $\begin{matrix} +10^\circ \\ 0^\circ \end{matrix}$ (n: No. of turns)
Insulation Resistance:	Over 100MΩ at 1,000V.D.C.
Dielectric Strength:	1 minute at 1,000 V.A.C.
Starting Torque: Stopper	Within 5mN·m (50gf·cm)
Strength: Max. Working Voltage:	Approx. 0.9N·m (9kgf·cm) 500V
Resistance Temperature Coefficient:	±100p.p.m./°C
Max. Torque exerted on fastening the mounting nut to the bushing:	Within 1.0N·m (10kgf·cm) (in case of panel thickness with over 2.5mm, the rotating torque may become heavier)
Mass:	Approx. 20g (Bushingmount) Approx. 30g (Servomount) (both 5-turn and 10-turn)

■ Special Specifications Available

Shaft with front and rear extension (rear shaft with 6mm dia. and 15mm length), 3-turn type, multi-ganged (available up to 10-gangs), with high torque, special shaft dia. (ø3mm, ø3.175mm, ø4mm, ø5mm, ø6.35mm), special machining on the shaft, with plastic shaft, metal bushing type (22HHPM with anti-rotation pin), simple sealed housing, extra taps (available up to 1 tap only for 10-turn), slipping-clutch incorporated type (20mN·m~60mN·m).