



# 12HPC-E

Low-cost Item · Wirewound · Bushingmount · RoHS Compliant

CALDARO



Model 12HPC-10E



Model 12HPC-10EP



Model 12HPC-10EW

## Standard Model Numbers

Bushingmount type	
With lug terminals	
5-turn models	12HPC-5E
10-turn models	12HPC-10E
With pin terminals for p.c. board	
5-turn models	12HPC-5EP
10-turn models	12HPC-10EP
With rear lug terminals	
5-turn models	12HPC-5EW
10-turn models	12HPC-10EW

## General Specifications

<b>Standard Resistance Range</b>	100Ω to 50kΩ (5-turn, 10-turn)	
<b>Max. Practical Resistance Value</b>	100kΩ (10-turn)	
<b>Total Resistance Tolerance</b>	Standard Class ±3% (H) Precision Class ±1% (F)	
<b>Independent Linearity Tolerance</b>		5-turn 10-turn
	Standard Class	±0.35% ±0.25%
	Precision Class (Within 5kΩ)	±0.2% ±0.1% (±0.25%) (±0.15%)
<b>Power Rating</b>	0.75W (5-turn) 1.5W (10-turn)	
<b>Noise</b>	Within 100Ω E.N.R.	
<b>Electrical Travel</b>	360° × n ± 5° (n: No. of turns)	

<b>Mechanical Travel</b>	360° × n + 15° 0° (n: No. of turns)
<b>Insulation Resistance</b>	Over 1,000MΩ at 500V.D.C.
<b>Dielectric Strength</b>	1 minute at 1,000V.A.C.
<b>Starting Torque</b>	Within 3mN · m (30gf · cm)
<b>Stopper Strength</b>	Approx. 0.15N · m (1.5kgf · cm)
<b>Appropriate fastening torque of the nut</b>	Within 0.8N · m (8kgf · cm)
<b>Resistance Temperature Coefficient</b>	±20p.p.m./°C
<b>Mass</b>	Approx. 10g (Both 5-turn and 10-turn)

## Standard Resistance Values ■ No. of Wire Turns ■ Resistance Wire Used

Resist. Value (Ω)	100	200	500	1k	2k	5k	10k	20k	50k	100k
12HPC-5E	920	1,190	1,250	1,510	1,790	2,380	3,120	3,800	5,430	—
12HPC-10E	1,690	1,850	2,560	2,500	3,030	4,170	4,760	6,250	8,330	※10,870
Resist. Wire Used	Cu-Ni System			Ni-Cr System						

Note: Mark ※ shows special high resistance value.

## Special Specifications Available

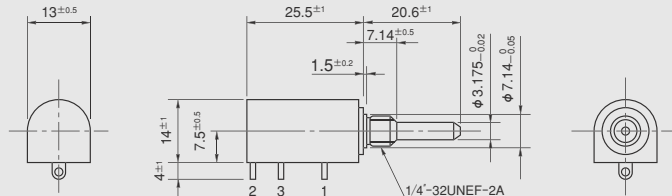
(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

- 3-turn type (S12HPC-3E)
- Shaft with front and rear extension (Rear shaft with 0.8mm dia. and 10mm length)
- Special machining on the shaft
- Simple sealed housing

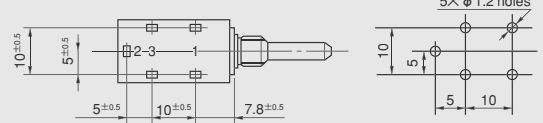
## (With inch dimensions)

### Standard Dimensions

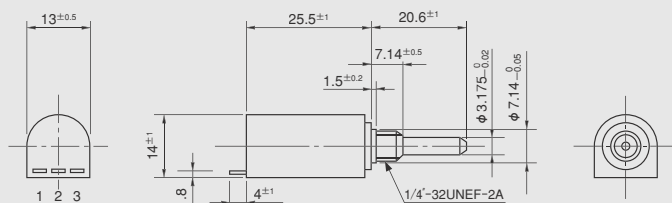
#### With lug terminals



#### With pin terminals for p.c. board



#### Servomount type



- Note: 1. 1 pc. each inner teeth washer and hex nut are attached.  
2. Outer dimension of 5-turn version is the same as those of 10-turn.  
3. Please process the mounting hole on the panel. The diameter should be 7.14mm +0.05/0.