



## ■ General Specifications

### Standard Resistance

**Range:** 100Ω to 50kΩ (5-turn)  
100Ω to 100kΩ (10-turn)

### Total Resistance

**Tolerance:** Standard Class ±3%(H)  
Precision Class ±1%(F)

### Independent Linearity

**Tolerance:**

	5-turn	10-turn
Standard Class	±0.35%	±0.25%
Precision Class	±0.2%	±0.1%
(within 5kΩ)	(±0.25%)	(±0.15%)

**Power Rating:** 0.75W (5-turn)  
1.5W (10-turn)

**Noise:** Within 100Ω E.N.R.

**Electrical Travel:** 360° Xn ±5° (n: No. of turns)

**Mechanical Travel:** 360° Xn <sup>+15°</sup><sub>0°</sub> (n: No. of turns)

**Insulation Resistance:** Over 1,000 MΩ at 500 V.D.C.

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

**Starting Torque:** Within 3mN·m (30gf·cm)

**Stopper Strength:** Approx. 0.15N·m (1.5kgf·cm)

### Max. Torque exerted

### on fastening the

### mounting nut to the

### bushing:

Within 0.8N·m (8kgf·cm)

### Max. Working Voltage:

450V

### Resist. Temperature

### Coefficient of Wire:

±20p.p.m./°C

### Mass:

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-5	9 2 0	1 , 1 9 0	1 , 2 5 0	1 , 5 1 0	1 , 7 9 0	2 , 3 8 0	3 , 1 2 0	3 , 8 0 0	5 , 4 3 0	
12HPC-10	1 , 6 9 0	1 , 8 5 0	2 , 5 6 0	2 , 5 0 0	3 , 0 3 0	4 , 1 7 0	4 , 7 6 0	6 , 2 5 0	8 , 3 3 0	1 0 , 8 7 0
Resist. Wire Used	Cu-Ni System			Ni-Cr System						

## ■ Special Specifications Available

3-turn type (S12HPC-3), lower resistance values (20Ω, 50Ω), shaft with front and rear extension (rear shaft with 0.8mm dia. and 10mm length), special machining on the shaft, simple sealed housing.

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