



Model 20HHPS-10S  
(Servomount)

● Standard Model Nos.

- Bushingmount type:**  
 20HHP-5S (5-turn)  
 20HHP-10S (10-turn)
- Servomount type:**  
 20HHPS-5S (5-turn)  
 20HHPS-10S (10-turn)

● General Specifications

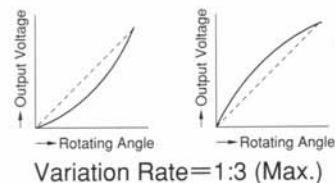
<p><b>Standard Resistance Values:</b> 1k,2k,5k,10k,20k,50k (<math>\Omega</math>) (5-turn) 2k,5k,10k,20k,50k,100k (<math>\Omega</math>)(10-turn)</p> <p><b>Total Resistance Tolerance:</b> Standard Class <math>\pm 10\%</math> (K) Precision Class <math>\pm 5\%</math> (J)</p> <p><b>Independent Linearity Tolerance:</b> 5-turn 10-turn Standard Class <math>\pm 0.35\%</math> <math>\pm 0.25\%</math> Precision Class <math>\pm 0.2\%</math> <math>\pm 0.1\%</math></p> <p><b>Resolution:</b> Essentially infinite</p> <p><b>Output Smoothness:</b> Below 0.05% against input voltage (5-turn) Below 0.015% against input voltage (10-turn)</p> <p><b>Contact Resistance Variation:</b> Below 5% C.R.V. (5-turn) Below 3% C.R.V. (10-turn)</p>	<p><b>Power Rating:</b> 1.0W (5-turn) 2.0W (10-turn)</p> <p><b>Electrical Travel:</b> <math>360^\circ \times n \pm 5^\circ</math> (n: No. of turns)</p> <p><b>Mechanical Travel:</b> <math>360^\circ \times n + 10^\circ_0</math> (n: No. of turns)</p> <p><b>Insulation Resistance:</b> Over 100M<math>\Omega</math> at 1,000V.D.C. <b>Dielectric Strength:</b> 1 minute at 1,000V.A.C.</p> <p><b>Starting Torque:</b> Below 5mN·m (50gf·cm) (Bushingmount type) Below 3mN·m (30gf·cm) (Servomount type)</p> <p><b>Stopper Strength:</b> Approx. 0.9N·m (9kgf·cm) (Bushingmount type) Approx. 0.6N·m (6kgf·cm) (Servomount type)</p> <p><b>Max. Working Voltage:</b> 500V</p> <p><b>Resistance Temperature Coefficient:</b> <math>\pm 100</math>p.p.m./<math>^\circ\text{C}</math></p> <p><b>Mass:</b> Approx. 20g (5-turn) Approx. 25g (10-turn)</p>
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● Special Specifications Available

Extra taps (Available up to 1 tap), Multi-ganged (Available up to 2 gangs), Shaft with front and rear extension (Rear shaft with 2mm dia. and 10mm length), Shaft dia. ( $\phi$  6.35mm for 20HHP,  $\phi$  3.175mm for 20HHPS) • bushing with inch dimensions, Special machining on the shaft, With slipping-clutch, With a limit-switch adaptor, Simple sealed housing (except servomount type).

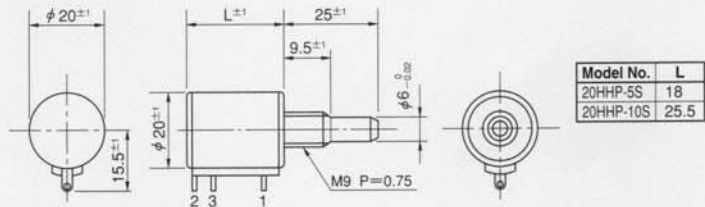
Specially Ordered Models

Special functions of high accuracy are available for multiturn hybrid potentiometers of models 12HHP and 20HHP series as illustrated on the right hand side and are suitable for load correction circuit or temperature compensation circuit.



● Standard Dimensions

■ Bushingmount type



Note: 1 pc. inner teeth washer and 2 pcs. hex nuts are attached.

■ Servomount type

