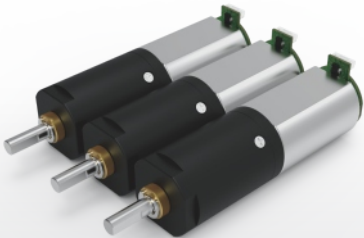


PD010010

Φ10mm PD planetary gearbox

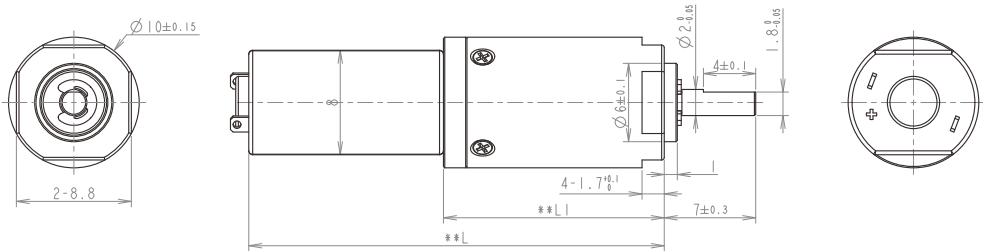


Gearbox Specifications

Outer diameter	10mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Plastic	Axial Play	≤0.3mm	≤0.2mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤1N	≤7N
Backlash	≤3°	Operating temperature range	-20 ~ +85°C	

Gearbox Stages	1	2	3	4
Reduction ratio	3 / 5	13 / 19 / 28	46 / 69 / 102 / 151	168 / 249 / 368 / 546 / 809
Max rated torque of gearbox (gf.cm)	500	500	500	500
Max. intermittent torque (gf.cm)	1000	1000	1000	1000
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	9.7	12.8	15.9	19

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Coreless motor, Stepper motor	Input speed	≤30000rpm
Voltage (optional)	3-24V	Load current	150mA max

Model	Rated Speed	Max Speed	Max. Rated Torque of Gearbox	Max. Intermittent Torque of Gearbox	Reduction Ratio	Gearbox Length	Overall Length
	rpm	rpm	gf.cm	gf.cm		mm	mm
PD010010-3	3917	7500	500	1000	3	9.7	24.7
PD010010-5	2645	5000	500	1000	5		
PD010010-13	1085	2308	500	1000	13		
PD010010-19	742	1579	500	1000	19	12.8	27.8
PD010010-28	504	1071	500	1000	28		
PD010010-46	307	652	500	1000	46		
PD010010-69	204	435	500	1000	69		
PD010010-102	138	294	500	1000	102	15.9	30.9
PD010010-151	93	199	500	1000	151		
PD010010-168	84	179	500	1000	168		
PD010010-249	57	120	500	1000	249		
PD010010-368	38	82	500	1000	368	19	34
PD010010-546	26	55	500	1000	546		
PD010010-809	17	37	500	1000	809		