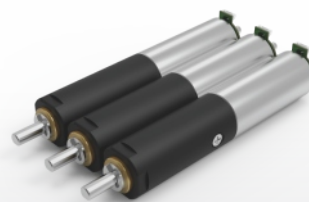


PD006006

Φ6mm PD planetary gearbox

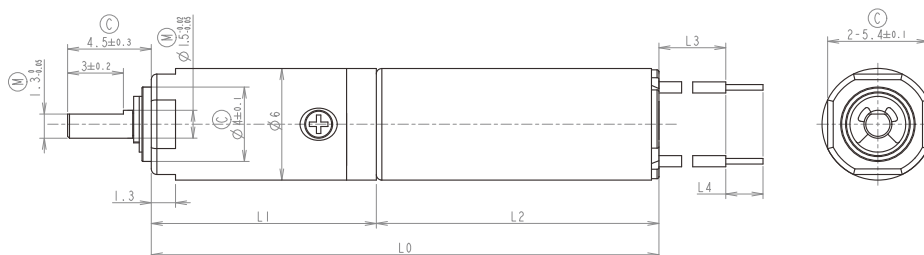


Gearbox Specifications

Outer diameter	6mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Plastic	Axial Play	≤0,3mm	≤0,3mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤0.3N	≤4N
Backlash	≤3°	Operating temperature range	-20 ~ +85°C	

Gearbox Stages	1	2	3	4
Reduction ratio	5 / 6	23 / 31 / 41	110 / 148 / 198 / 266	531 / 711 / 952 / 1275 / 1708
Max rated torque of gearbox (gf.cm)	250	250	250	250
Max. intermittent torque (gf.cm)	600	600	600	600
Gearbox efficiency (%)	85	72	57	49
Gearbox length L1 (mm)	9.7	12.1	14.5	16.9

Technical Drawing



Motor Specifications

Motor type (optional)	Coreless motor, Stepper motor	Input speed	≤30000rpm
Voltage (optional)	3-12V	Load current	100mA 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
PD006006-5	1563	6250	250	600	4.8	9.7	23.7
PD006006-6	1166	4666	250	600	6.43		
PD006006-23	326	1302	250	600	23.04	12.1	26.1
PD006006-31	243	972	250	600	30.86		
PD006006-41	181	726	250	600	41.33		
PD006006-110	68	271	250	600	110.6	14.5	28.5
PD006006-148	51	203	250	600	148.1		
PD006006-198	38	151	250	600	198.4		
PD006006-266	28	113	250	600	265.7		
PD006006-531	14	57	250	600	530.8	16.9	30.9
PD006006-711	11	42	250	600	711.0		
PD006006-952	8	32	250	600	952.2		
PD006006-1275	6	24	250	600	1275.2		
PD006006-1708	4	18	250	600	1707.9		