



PD008008

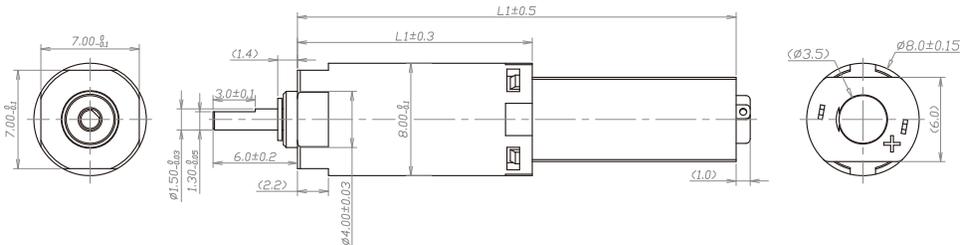
Gearbox Specifications

Outer diameter	8mm	Bearing	Porous bearing
Material	Plastic	Axial endplay	≤0.3mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤0.8N
Gear backlash	≤3°	Operating temperature range	-20 ~ +85°C

Gearbox Stages

	1	2	3	4
Reduction ratio	4 / 5	13 / 19 / 28	47 / 69 / 102 / 152	168 / 249 / 369 / 546 / 809
Max rated torque of gearbox (gf.cm)	50	100	200	400
Instant torque of gearbox (gf.cm)	200	300	600	900
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	8.6	11.3	14	16.7

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Stepper motor	Input speed	≤3000rpm
Voltage (optional)	3-12V	Current	150mA max

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	Reduction Ratio	Gearbox Length	Overall Length
	rpm	rpm	gf.cm	gf.cm		mm	mm
PD008008-4	3111	4233	50	200	3.6	8.6	23.1
PD008008-5	2100	2857	50	200	5.3		
PD008008-13	864	1122	100	300	13.0	11.3	25.8
PD008008-19	583	758	100	300	19.2		
PD008008-28	394	511	100	300	28.4		
PD008008-47	240	306	200	600	46.7	14.0	28.5
PD008008-69	162	207	200	600	69.1		
PD008008-102	109	140	200	600	102.4		
PD008008-152	74	94	200	600	151.7		
PD008008-168	67	84	300	900	168.0	16.7	31.2
PD008008-249	45	56	300	900	248.8		
PD008008-369	30	38	300	900	368.6		
PD008008-546	21	26	300	900	546.1		
PD008008-809	14	17	300	900	809.1		

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