

MD003003

Φ3.4mm MD planetary gearbox

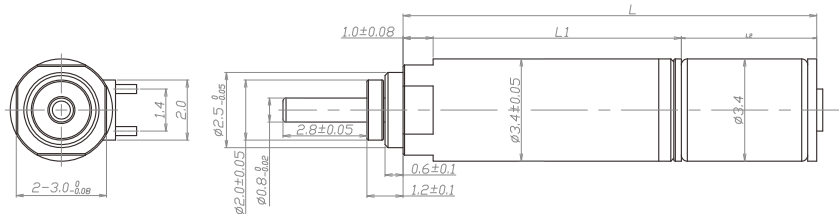


Gearbox Specifications

Outer diameter	3.4mm	Bearing	oil-impregnated bearings
Material	Metal	Axial Play	≤0.3mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤0.3N
Backlash	≤3°	Operating temperature range	-20 ~ +85°C

Gearbox Stages	1	2	3	4
Reduction ratio	5	25	125	625
Max rated torque of gearbox (gf.cm)	50	50	50	50
Max. intermittent torque (gf.cm)	150	150	150	150
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	6	7.5	9	10.5

Technical Drawing



Motor Specifications

Motor type	Stepper motor	Input speed	≤10000rpm
Voltage	3V	Load current	50mA max

Model	Speed at 2400pps	Max. Rated Torque of Gearbox	Max. Intermittent Torque of Gearbox	Reduction Ratio	Gearbox Length	Overall Length
	rpm	gf.cm	gf.cm		mm	mm
MD003003-5	1440.0	50	150	5	6.0	10.75
MD003003-25	288.0	50	150	25	7.5	12.25
MD003003-125	57.6	50	150	125	9.0	13.75
MD003003-625	11.5	50	150	625	10.5	15.25