

MD004004

Φ4.3mm MD planetary gearbox

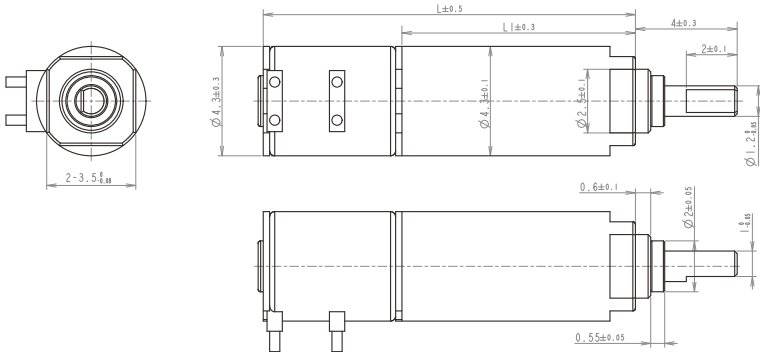


Gearbox Specifications

Outer diameter	4.3mm	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℃

Gearbox Stages	1	2	3	4
Reduction ratio	6	36	216	1296
Max rated torque of gearbox (gf.cm)	70	70	70	70
Max. intermittent torque (gf.cm)	200	200	200	200
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	6.18	7.67	9.17	10.72

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
MD004004-6	1000.0	140	400	6	6.18	11.78
MD004004-36	166.6	140	400	36	7.67	13.27
MD004004-216	27.7	140	400	216	9.17	14.77
MD004004-1296	4.6	140	400	1296	10.72	16.32