

MD004004

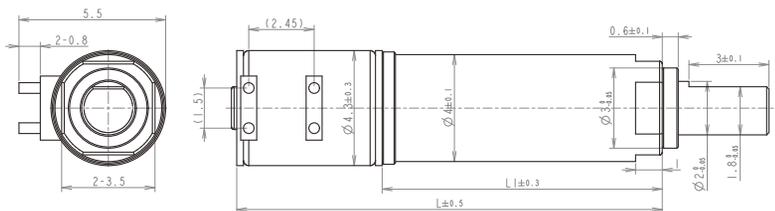
Gearbox Specifications

Outer diameter	4mm	Bearing	Porous bearing
Material	Metal	Axial endplay	≤0.3mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤0.3N
Gear 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)	70	70	70	70
Instant torque of gearbox (gf.cm)	200	200	200	200
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	6.6	8.1	9.6	11.1

Technical Drawing



Motor Specifications

Motor type (optional)	Stepper motor	Input speed	≤10000rpm
Voltage (optional)	1.5-5V	Current	50mA max

Model	Rated Speed	Max Rated Torque	Max Instant Torque	Reduction Ratio	Gearbox Length	Overall Length
	rpm	gf.cm	gf.cm		mm	mm
MD004004-5	300.0	70	200	5	6.6	18.6
MD004004-25	60.0	70	200	25	8.1	20.1
MD004004-125	12.0	70	200	125	9.6	21.6
MD004004-625	2.4	70	200	625	11.1	23.1

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