



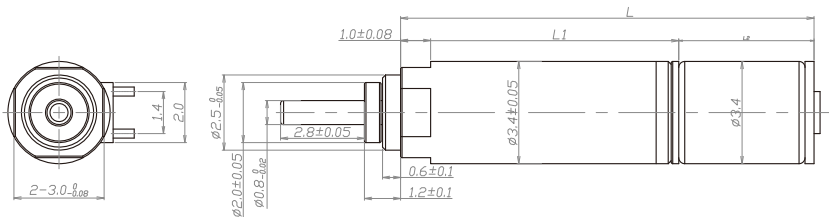
ZWBMD003003

Gearbox specifications

Outer diameter	3.4mm	Bearing	Porous bearing
Material	Metal	Axial endplay	≤0.3mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤0.3N
Gear backlash	≤3° (Customisable)	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
Instant torque of gearbox (gf.cm)	150	150	150	150
Gearbox efficiency	85	73	65	58
Length L1 (mm)	6	7.5	9	10.5

Technical illustrations



Motor specifications

Motors	Coreless motor, Stepper motor	Input speed	≤10000rpm
Voltage(Optional)	1.5-5V	Current	50mA max

Model	Rated Speed	Max Rated Torque	Max Instant Torque	Reduction ratio	Length L1	Overall Length
	rpm	gf.cm	gf.cm		mm	mm
ZWBMD003003-5	300.0	50	150	5	6.0	10.75
ZWBMD003003-25	60.0	50	150	25	7.5	12.25
ZWBMD003003-125	12.0	50	150	125	9.0	13.75
ZWBMD003003-625	2.4	50	150	625	10.5	15.25

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