



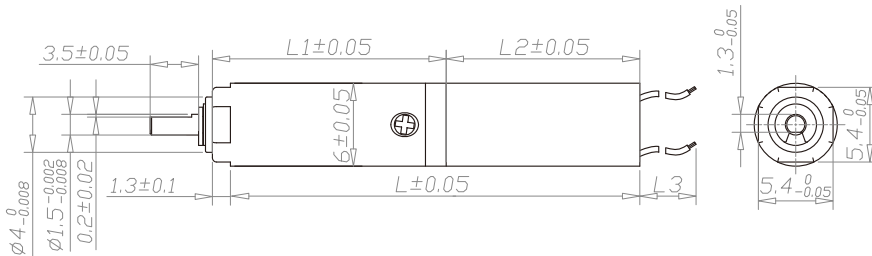
# ZWBPD006006

## Gearbox specifications

Outer diameter	6mm	Bearing	Porous bearing	Rolling bearing
Material	Plastic	Axial endplay	≤0.3mm	≤0.2mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤0.3N	≤4N
Gear backlash	≤3° (Customisable)	Operating temperature range	-20~ +85°C	

Gearbox stages	1	2	3	4
Reduction ratio	5 / 6	23 / 31 / 41	110 / 148 / 198 / 266	531 / 711 / 952 / 1275 / 1708
Max rated torque of gearbox (gf.cm)	250	250	250	250
Instant torque of gearbox (gf.cm)	600	600	600	600
Gearbox efficiency	85	73	62	55
Length L1 (mm)	9.7	12.1	14.5	16.9

## Technical illustrations



## Motor specifications

Motors	DC brush motor, DC brushless motor, Stepper motor	Input speed	≤30000rpm
Voltage(Optional)	3-12V	Current	100mA max

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	Reduction ratio	Length L1	Overall Length
	rpm	rpm	gf.cm	gf.cm			
ZWBPD006006-5	1563	6250	250	600	4.8	9.7	23.7
ZWBPD006006-6	1166	4666	250	600	6.43		
ZWBPD006006-23	326	1302	250	600	23.04	12.1	26.1
ZWBPD006006-31	243	972	250	600	30.86		
ZWBPD006006-41	181	726	250	600	41.33		
ZWBPD006006-110	68	271	250	600	110.6	14.5	28.5
ZWBPD006006-148	51	203	250	600	148.1		
ZWBPD006006-198	38	151	250	600	198.4		
ZWBPD006006-266	28	113	250	600	265.7		
ZWBPD006006-531	14	57	250	600	530.8	16.9	30.9
ZWBPD006006-711	11	42	250	600	711.0		
ZWBPD006006-952	8	32	250	600	952.2		
ZWBPD006006-1275	6	24	250	600	1275.2		
ZWBPD006006-1708	4	18	250	600	1707.9		

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