

PD012012

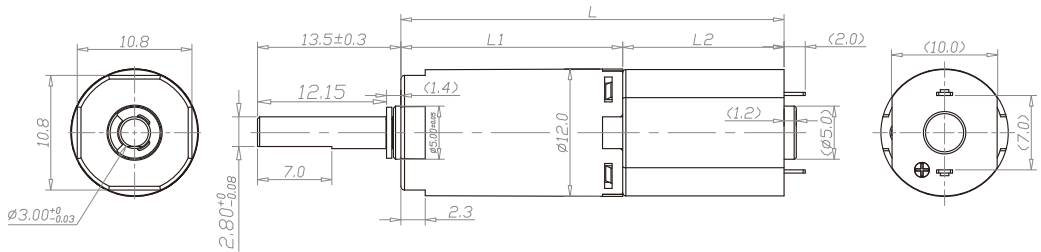
Gearbox Specifications

Outer diameter	12mm	Bearing	Porous bearing
Material	Plastic	Axial endplay	≤0.3mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤5N
Gear backlash	≤3°	Operating temperature range	-20 ~ +85°C

Gearbox Stages

	1	2	3	4
Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
Max rated torque of gearbox (gf.cm)	200	400	600	850
Instant torque of gearbox (gf.cm)	500	800	1200	1700
Gearbox efficiency (%)	85	73	65	58
Gearbox length L1 (mm)	9.5	13.3	17.1	20.9

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Brushless DC motor, Coreless motor, Stepper motor	Input speed	≤30000rpm
Voltage (optional)	3-24V	Current	250mA max

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	Reduction Ratio	Gearbox Length	Overall Length
	rpm	rpm	gf.cm	gf.cm		mm	mm
PD012012-4	1875	7500	200	500	4	9.5	24.5
PD012012-6	1250	5000	200	500	6		
PD012012-16	469	1875	400	800	16	13.3	28.3
PD012012-24	313	1250	400	800	24		
PD012012-36	208	833	400	800	36		
PD012012-64	117	469	600	1200	64	17.1	32.1
PD012012-96	78	313	600	1200	96		
PD012012-144	52	208	600	1200	144		
PD012012-216	35	139	600	1200	216		
PD012012-256	29	117	850	1700	256	20.9	35.9
PD012012-384	20	78	850	1700	384		
PD012012-576	13	52	850	1700	576		
PD012012-864	9	35	850	1700	864		
PD012012-1296	6	23	850	1700	1296		

*Please contact us for customized products