



# ZWPD012012

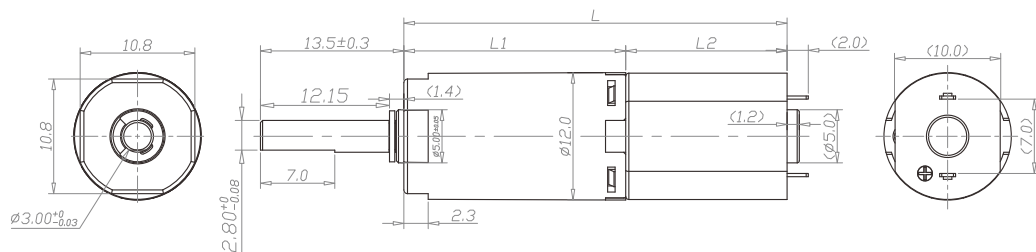
## 齿轮箱规格 Gearbox specifications

外径 Outer diameter	12mm	轴承 Bearing	烧结轴承 Porous Bearing	滚动轴承 Rolling bearing
材质 Material	塑料 Plastic	轴向窜动 Axial endplay	≤0.3mm	≤0.2mm
旋转方向 Direction of rotation	cc & ccw	输出轴径向负载 Radial loading on output shaft	≤5N	≤10N
齿轮箱回程差 Gear backlash	≤3°	工作温度 Operating temperature range	-20 ~ +85°C	

## 齿轮级数 Gearbox stages

	1	2	3	4
减速比 Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
最大容许扭力 (gf.cm max) Max rated torque of gear box	1300	1300	1300	1300
瞬间容许力矩 (gf.cm max) Instant torque of gear box	4000	4000	4000	4000
齿轮箱效率 Gearbox efficiency	85	73	65	58
长度 Length	9.5	13.3	17.1	20.9

## 技术插图 | Technical illustrations



## 马达规格参数 Motor specifications

马达(可选择) Motors(Optional)	直流有刷电机、直流无刷电机、步进电机 DC brush motor, DC brushless motor, Stepper motor	输入速度 Input speed	≤30000rpm
电压(可选择) Voltage(Optional)	3-24V	电流 Current	250MA max

型号 Model	Rated Speed 额定转速	Max Speed 最高转速	Max Rated Torque 额定容许力矩	Max Instant Torque 瞬间容许力矩	Reduction ratio 减速比	Length 减速箱长 L1	Overall Length 总长 L
	rpm	rpm	gf.cm	gf.cm		mm	mm
ZWPD012012-4	1875	7500	1300	4000	4	9.5	24.5
ZWPD012012-6	1250	5000	1300	4000	6		
ZWPD012012-16	469	1875	1300	4000	16	13.3	28.3
ZWPD012012-24	313	1250	1300	4000	24		
ZWPD012012-36	208	833	1300	4000	36		
ZWPD012012-64	117	469	1300	4000	64		
ZWPD012012-96	78	313	1300	4000	96	17.1	32.1
ZWPD012012-144	52	208	1300	4000	144		
ZWPD012012-216	35	139	1300	4000	216		
ZWPD012012-256	29	117	1300	4000	256		
ZWPD012012-384	20	78	1300	4000	384	20.9	35.9
ZWPD012012-576	13	52	1300	4000	576		
ZWPD012012-864	9	35	1300	4000	864		
ZWPD012012-1296	6	23	1300	4000	1296		

注：可根据客户要求定制 Can customize product as requirements