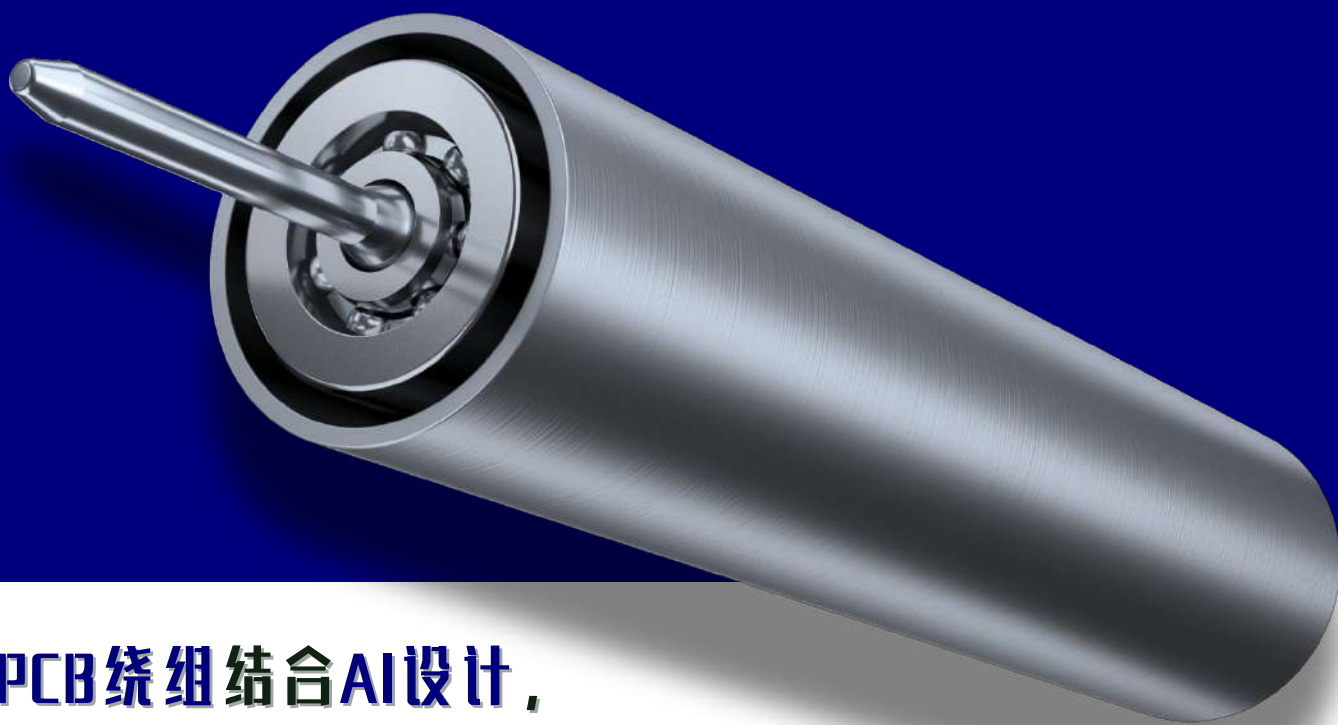


ULTRA-MICRO BRUSHLESS CORELESS MOTOR
BROSCHURE

特微型空心杯电机



创新FPCB绕组结合AI设计，
以极微型化实现高性能、高良率与低成本。

✓ HIGH PERFORMANCE

✓ HIGH YIELD RATE

✓ LOW COST

CONTENTS

目录
CONTENT

CONTENTS

01

PART 1

Φ4mm

G04P-VW00-QZ-1

01-02

02

PART 2

Φ5mm

G05P-VW00-QZ-1

03-04

03

PART 3

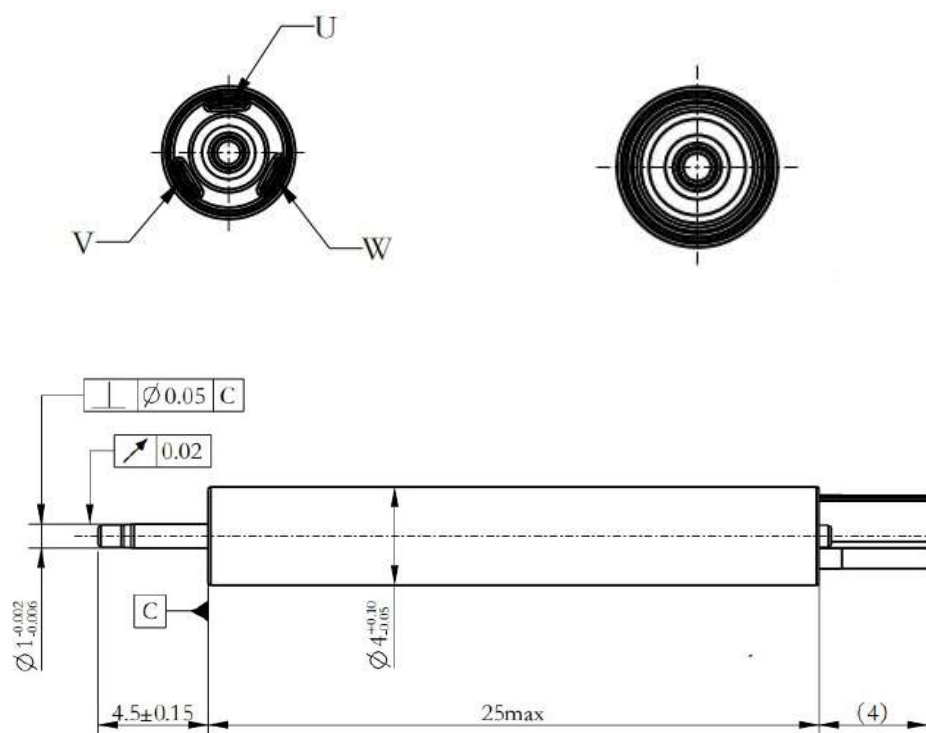
Φ6mm

G06P-VW00-QZ-1

05-06

Φ4mm无刷空心杯电机
Φ4mm, brushless coreless Motor

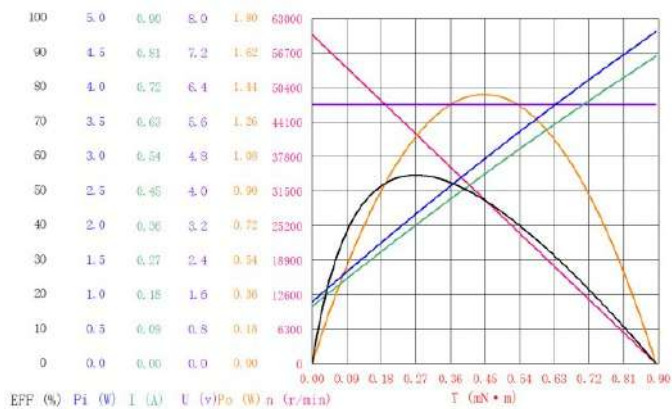
● G04P-VW00-QZ-1



Motor Data/单电机数据			
1	Nominal Voltage/额定电压	V	6
2	No Load Speed/空载转速	Rpm	≤60000
3	Nominal Speed/额定转速	Rpm	18000
4	Norminal Torque/额定扭矩	mNm	0.43
*5	Initial Torque (cold state)/初始扭矩（冷态）	mNm	0.63
*6	Continuous Stalling Current /持续堵转相电流	A	0.62
*7	Stalling Torque （Max）/最大堵转扭矩	mNm	>1.08
*8	Stalling Current （Max）/最大堵转电流	A	>1.55
*9	Terminal Resistance/线电阻	Ω	2.7
*10	Unbalanced Three-Phase Resistance/三相电阻不平衡度	%	≤5%
*11	Terminal inductance/线电感	mH	0.035
*12	Unbalanced three-phase inductance/三相电感不平衡度	%	≤5%
14	Torque constant/扭矩常数	mNm/A	0.82
15	Speed constant/转速常数	rpm/V	11645
16	Rotor inertia/转子转动惯量	mgcm ²	3.83
17	Total Weight/总重量	g	1.7
Thermal data/热数据			
26	Loss power/损耗功率	W	2.35
27	Chassis temperature/电机工作温度	℃	145

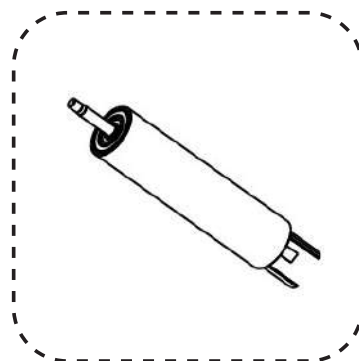
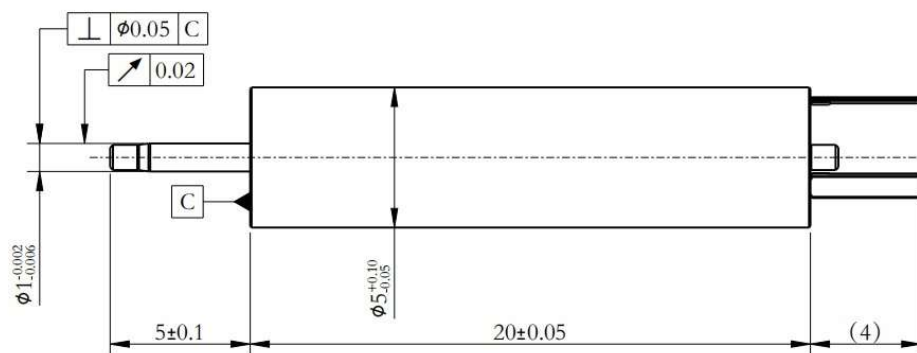
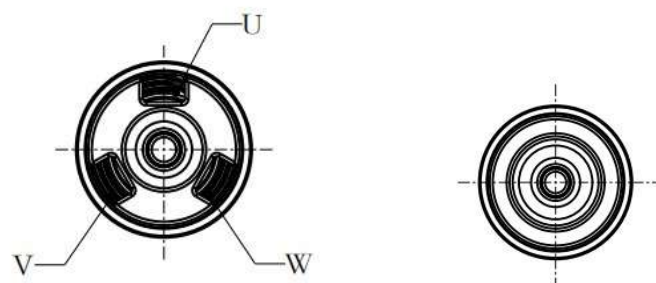
*表示：实际值与理论值偏差±10%

- 母线电压 6V，占空比0.6
The bus voltage is 6V and the duty cycle is 0.6



Φ5mm无刷空心杯电机
Φ5mm, brushless coreless Motor

● G05P-VW00-QZ-1



Motor Data/单电机数据

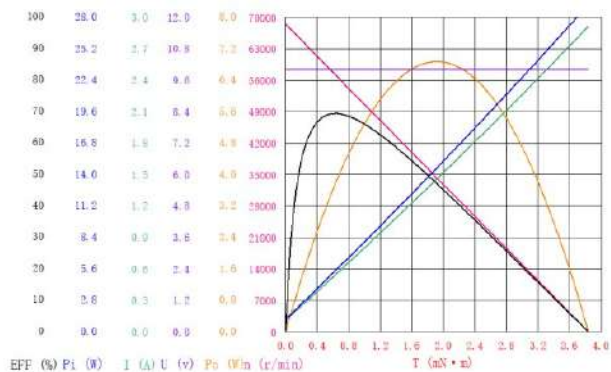
1	Nominal Voltage/额定电压	V	6
2	No Load Speed/空载转速	Rpm	≤60000
3	Nominal Speed/额定转速	Rpm	18000
4	Norminal Torque/额定扭矩	mNm	0.93
*5	Initial Torque (cold state)/初始扭矩（冷态）	mNm	1.35
*6	Continuous Stalling Current /持续堵转相电流	A	1.06
*7	Stalling Torque （Max）/最大堵转扭矩	mNm	>2.32
*8	Stalling Current （Max）/最大堵转电流	A	>2.65
*9	Terminal Resistance/线电阻	Ω	1.46
*10	Unbalanced Three-Phase Resistance/三相电阻不平衡度	%	≤5%
*11	Terminal inductance/线电感	mH	0.041
*12	Unbalanced three-phase inductance/三相电感不平衡度	%	≤5%
14	Torque constant/扭矩常数	mNm/A	1.05
15	Speed constant/转速常数	rpm/V	9094
16	Rotor inertia/转子转动惯量	mgcm ²	9.37
17	Total Weight/总重量	g	2.6

Thermal data/热数据

26	Loss power/损耗功率	W	3.65
27	Chassis temperature/电机工作温度	°C	145

*表示：实际值与理论值偏差±10%

- 母线电压 10V，占空比0.65
The bus voltage is 10V and the duty cycle is 0.6



Motor Data/单电机数据

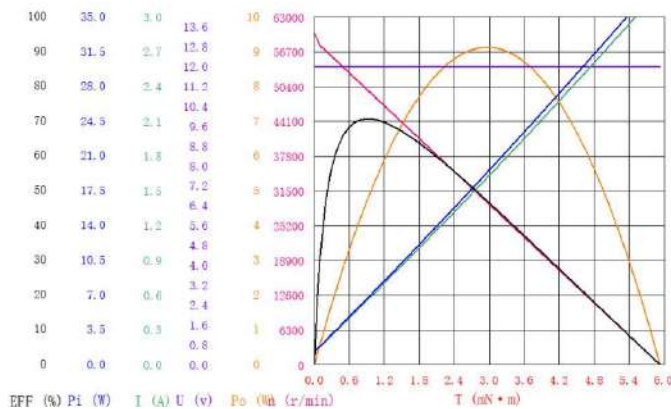
1	Nominal Voltage/额定电压	V	12
2	No Load Speed/空载转速	Rpm	≤60000
3	Nominal Speed/额定转速	Rpm	45000
4	Norminal Torque/额定扭矩	mNm	1.02
*5	Initial Torque (cold state)/初始扭矩（冷态）	mNm	1.45
*6	Continuous Stalling Current /持续堵转相电流	A	0.55
*7	Stalling Torque （Max）/最大堵转扭矩	mNm	>2.55
*8	Stalling Current （Max）/最大堵转电流	A	>1.37
*9	Terminal Resistance/线电阻	Ω	3.42
*10	Unbalanced Three-Phase Resistance/三相电阻不平衡度	%	≤3%
*11	Terminal inductance/线电感	mH	0.082
*12	Unbalanced three-phase inductance/三相电感不平衡度	%	≤3%
14	Torque constant/扭矩常数	mNm/A	2.15
15	Speed constant/转速常数	rpm/V	4433
16	Rotor inertia/转子转动惯量	mgcm ²	24.4
17	Total Weight/总重量	g	3.75

Thermal data/热数据

26	Loss power/损耗功率	W	3.25
27	Chassis temperature/电机工作温度	℃	145

*表示：实际值与理论值偏差±10%

- 母线电压 12V，占空比0.85
The bus voltage is 12V and the duty cycle is 0.85





苏州指尖智擎科技有限公司
SUZHOU VAXOR-MOTOR CO.,LTD



19301347419



INFO@VAXOR-MOTOR.COM



WWW.VAXOR-MOTOR.CN