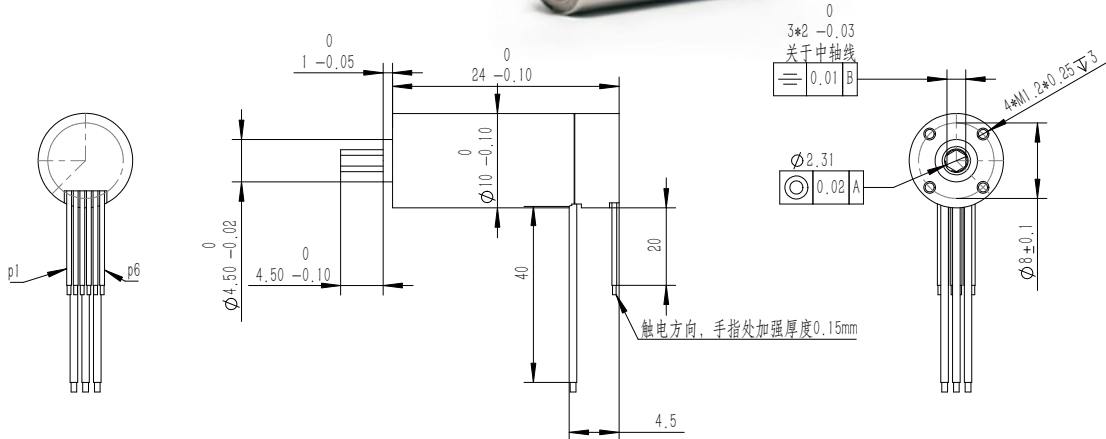


空心杯电枢绕组-无刷
Φ10*L20mm 无刷电机Brushless DC motor



EC MOTOR



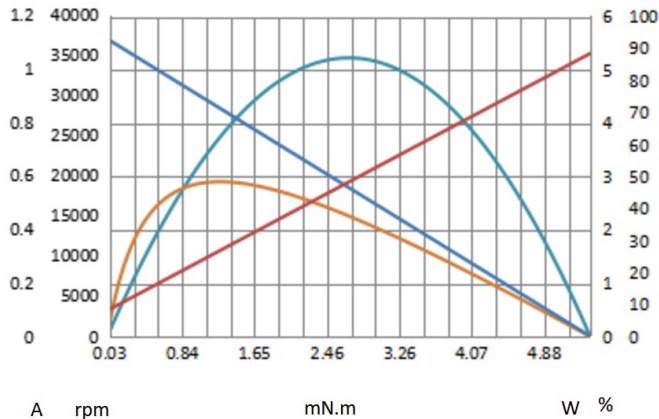
电机型号Motor Model

电机参数 Motor Data		EC1020
1 额定电压 Nominal voltage	V/DC	24
2 额定转速 Nominal speed	rpm	18000
3 额定电流 Nominal current	A	0.58
4 额定转矩 Nominal torque	mNm	3
5 空载转速 No-load speed	rpm	37000
6 空载电流 No-load current	mA	90
7 最大效率 Max. efficiency	%	60
8 最大连续转矩 Max continuous torque	mNm	4
9 堵转电流 Stall current	A	1.06
10 堵转转矩 Stall torque	mNm	6

电机常数 Motor Constants		
11 电机阻抗 Terminal resistance	Ω	22.7
12 电机感抗 Terminal inductance	mH	0.28
13 转矩常数 Torque constant	mNm/A	5.8
14 转速常数 Speed constant	rpm/V	1642
15 转数/转矩常数 Speed/torque constant	rpm/mNm	6856.9
16 机械时间常数 Mechanical time constant	ms	3.3
17 转子惯量 Rotor inertia	gcm ²	0.1

其它 Others		电机特性曲线 (Motor Characteristics Curve)
18 极对数 Number of pole pairs		2
19 相数 Number of phase		3
20 重量 Weight of motor	g	7
21 噪音 Typical noise level	dB	<42

电机端子定义Motor terminal definition		
黄	M1	U
白	M2	V
蓝	M3	W
	P1	MISO
	P2	MOSI
	P3	SCK
	P4	CSN
	P5	GND
	P6	VCC



端子型号Terminal model: PH2.0-8Pin

4.9