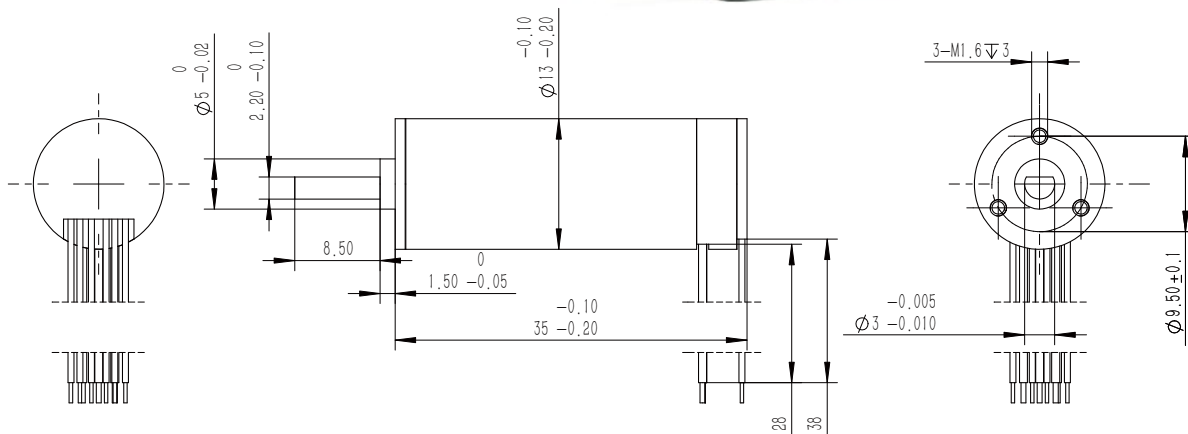


空心杯电枢绕组-无刷

Φ13*L30mm 无刷电机Brushless DC motor



EC MOTOR



电机型号Motor Model

电机参数 Motor Data			EC1330
1 额定电压 Nominal voltage	V/DC		24
2 额定转速 Nominal speed	rpm		20200
3 额定电流 Nominal current	A		1.5
4 额定转矩 Nominal torque	mNm		9.8
5 空载转速 No-load speed	rpm		28000
6 空载电流 No-load current	mA		115
7 最大效率 Max. efficiency	%		73.2
8 最大连续转矩 Max continuous torque	mNm		12
9 堵转电流 Stall current	A		4.8
10 堵转转矩 Stall torque	mNm		37

电机常数 Motor Constants

11 电机阻抗 Terminal resistance	Ω		5
12 电机感抗 Terminal inductance	mH		0.63
13 转矩常数 Torque constant	mNm/A		7.9
14 转速常数 Speed constant	rpm/V		1212
15 转数/转矩常数 Speed/torque constant	rpm/mNm		3398.3
16 机械时间常数 Mechanical time constant	ms		4.1
17 转子惯量 Rotor inertia	gcm ²		0.2

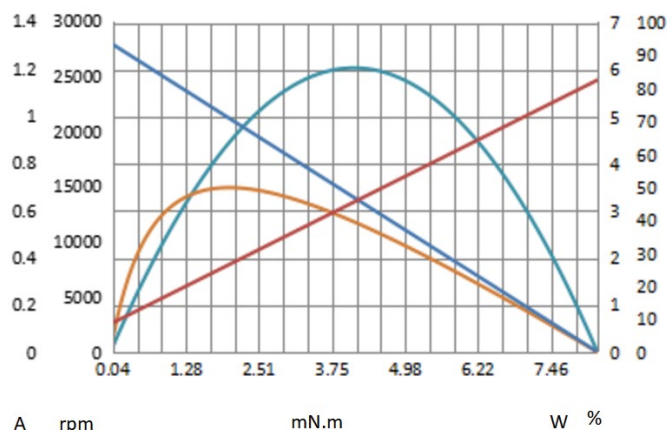
其它 Others

18 极对数 Number of pole pairs			2
19 相数 Number of phase			3
20 重量 Weight of motor	g		15
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

电机特性曲线 (Motor Characteristics Curve)



端子型号Terminal model:PH2.0-8Pin

4.9