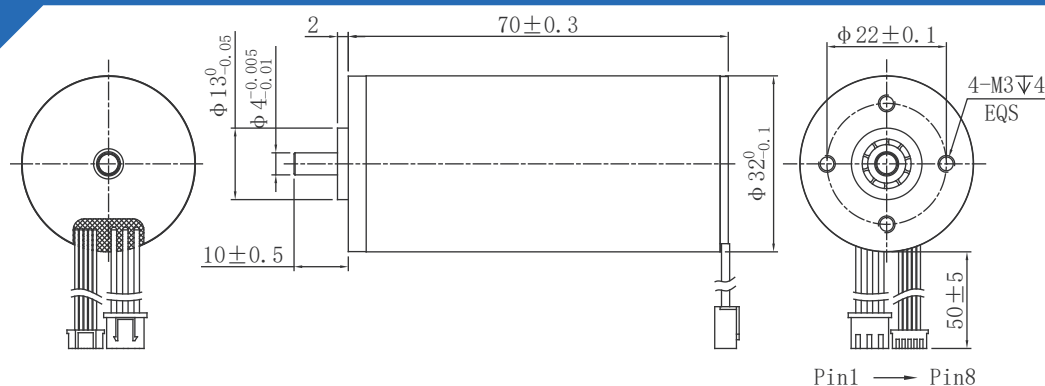




Pin1 → Pin8

电机参数 Motor specifications		10A	15A	06A	02A
1 额定电压 (Nominal voltage)	V	21	24	36	48
2 空载转速 (No load speed)	rpm	16500	16500	15000	16500
3 空载电流 (No load current)	mA	360	400	210	190
4 额定转速 (Nominal speed)	rpm	15100	15100	13800	17200
5 额定转矩 (Nominal torque)	mNm	81.68	76.2	60.1	87.29
6 额定电流 (Nominal current)	A	7.05	5.85	2.81	3.7
7 堵转转矩 (Stall torque)	mNm	1021	952.5	750.1	1091.2
8 堵转电流 (Stall current)	A	84	68.57	32.73	44.04
9 相间电阻 (Terminal resistance)	Ω	0.25	0.35	1.1	1.09
10 转矩常数 (Torque constant)	mNm/A	11.91	13.61	22.46	27.22
11 速度常数 (Speed constant)	rpm/V	785	687	416	343
12 机械时间常数 (Mechanical time constant)	ms	2.64	2.83	3.26	2.77
13 转子惯量 (Rotor inertia)	gcm ²	16.31	16.31	16.31	16.31

可配减速箱 Optional gearbox

GPA32	见Page 97	EM22	增量式(Incremental) 1~16384ppr 1~3通道(channel)	见Page 103
		EM22	绝对式(Absolute) 21 bit single turn	见Page 104

端子数据 Terminal data

端子型号Terminal model: Pin 1 ~ Pin 3 XHP-3 XH2.5 AWG22 PE Pin 4 ~ Pin 8 JST PHR-5P PH2.0 AWG26 PE

Pin 1 电机绕组Motor winding 1 黑色Black

Pin 2 电机绕组Motor winding 2 黄色Yellow

Pin 3 电机绕组Motor winding 3 红色Red

Pin 4 霍尔传感器Hall GND 黄色Yellow

Pin 5 霍尔传感器Hall sensor 2 蓝色Blue

Pin 6 霍尔传感器Hall sensor 3 白色White

Pin 7 霍尔传感器Hall sensor 1 黑色Black

Pin 8 霍尔传感器Hall Vcc 3.3~5V 红色Red

其他参数 Other specifications

工作温度范围 (Operating temperature range)	-20...+80°C	轴承类型 (Bearing type)	滚珠轴承 (Ball bearings)
极对数 (Number of pole pairs)	1	电机重量 (Weight of motor)	243g
相数 (Number of phases)	3		