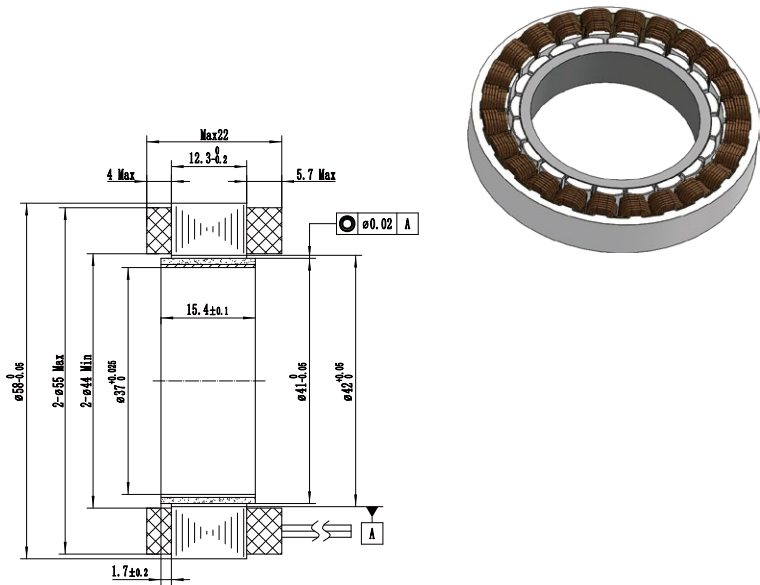


无框力矩电机
Φ58*L22mm



EC MOTOR



				电机型号Motor Model	
电机参数 Motor Data				EC5822-5822	
1	额定电压	Nominal voltage	V/DC	24	
2	额定转速	Nominal speed	rpm	1995	
3	额定电流	Nominal current	A	4	
4	额定转矩	Nominal torque	mNm	297	
5	空载转速	No-load speed	rpm	3000	
6	空载电流	No-load current	mA	223	
7	最大效率	Max. efficiency	%	74.1	
8	堵转电流	Stall current	A	11.554	
9	堵转转矩	Stall torque	mNm	848.92	
电机常数 Motor Constants					
10	电机阻抗	Terminal resistance	Ω	1.46	
11	电机感抗	Terminal inductance	mH	0.65	
12	转矩常数	Torque constant	mNm/A	74.9	
13	转速常数	Speed constant	rpm/V	125	
14	转数/转矩常数	Speed/torque constant	rpm/mNm	3.5	
15	机械时间常数	Mechanical time constant	ms	11	
16	转子惯量	Rotor inetia	gcm²	10.5	
其它 Others				电机特性曲线 (Motor Characteristics Curve)	
17	极对数	Number of pole pairs		8	
18	相数	Number of phase			
19	重量	Weight of motor	g	240	
20	噪音	Typical noise level	dB	≤45	
电机端子定义Motor terminal defination					
褐	Brown	M1	V hall+5 VDC	铁氟龙	
黄	yellow	M2	Hall sensor A	铁氟龙	
绿	Green	M3	Hall sensor B	铁氟龙	
蓝	Blue	M4	Hall sensor C	铁氟龙	
灰	Grey	M5	GND	铁氟龙	
黑	Black	M6	Motor winding A	铁氟龙	
红	Red	M7	Motor winding B	铁氟龙	
白	White	M8	Motor winding C	铁氟龙	

电机特性曲线 (Motor Characteristics Curve)		
The graph displays four motor characteristics: Speed (N, blue line), Torque (p, orange line), Efficiency (η, green line), and Current (I, red line). The x-axis represents torque in mN.m (0 to 768.27) and speed in rpm (4.24 to 1995). The left y-axis shows torque (0 to 14 mN.m) and efficiency (0 to 100%). The right y-axis shows speed (0 to 3500 rpm) and current (0 to 100 A). Efficiency peaks at approximately 74.1% at a torque of 297 mN.m.		
A	rpm	mN.m
		W %