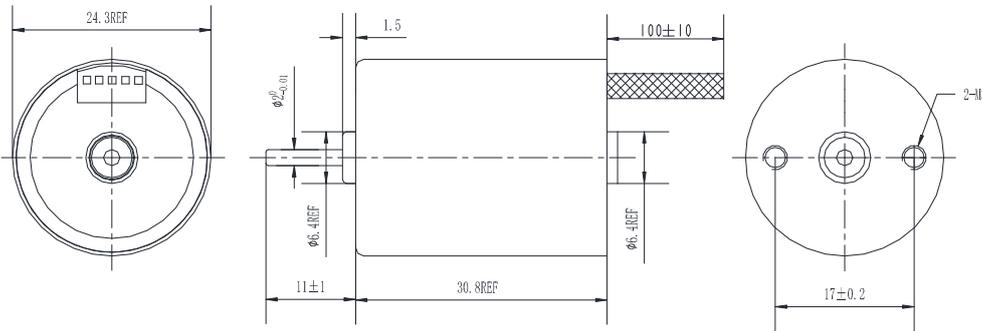


## 机械尺寸

(Dimensions)



选件 Options



接插件 齿轮箱

## 特性概要

(General Specifications)

绕组连接方式 (Winding Type)	星形 (Star connection)
霍尔分布角度 (Hall Effect Angle)	120度电角度 (Electrical Angle of 120 degree)
径向间隙 (Radial Play)	0.025
轴向间隙 (Axial Play)	0.2-0.5
最大径向负载 (Max radial force)	5N 距法兰10mm (10mm From the flange)
最大轴向负载 (Max axial force)	2N
介电强度 (Dielectric Strength)	300VAC/1min
绝缘电阻 (Insulation Resistance)	100MΩ, 500VDC
环境温度 (Ambient Temperature)	-25°C ~ +55°C
绝缘等级 (Insulation Class)	Class B

## 接线说明

(Electric Connection)

引出线型号 Type	引出线颜色 Color	功能 Functions
UL1430 AWG26	黄色 (Yellow)	电源正 (Vcc)
	黑色 (Black)	电源负 (GND)
	白色 (White)	转向控制 (Rotating Direction) CW/CCW
	绿色 (Green)	PWM调速 (Speed Control)
	蓝色 (Blue)	转速信号反馈 (Tacho out)

## 电性能

(Electrical Specifications)

	单位 (Unit)	FL24CBL30-12V-4002A-IE
极数 (Number of poles)		12
相数 (Number of phases)		3
额定电压 (Rated voltage)	VDC	12
额定转矩 (Rated torque)	mN.m	5.7
连续运行转矩 (Continuous stall torque)	mN.m	6.8
额定速度 (Rated speed)	RPM	4000
额定功率 (Rated power)	W	2.4
峰值扭矩 (Peak torque)	mN.m	17.1
峰值电流 (Peak current)	A	0.9
线电阻 (Line to line resistance)	ohms@20°C	7.3
线电感 (Line to line inductance)	mH	1.7
转矩常数 (Torque constant)	mN.m/A	20
反电势 (Back EMF)	Vrms/KRPM	1.48
转动惯量 (Rotor inertia)	g.cm <sup>2</sup>	2.3
机身长度 (Motor length) L	mm	30.8
重量 (Weight)	Kg	0.04