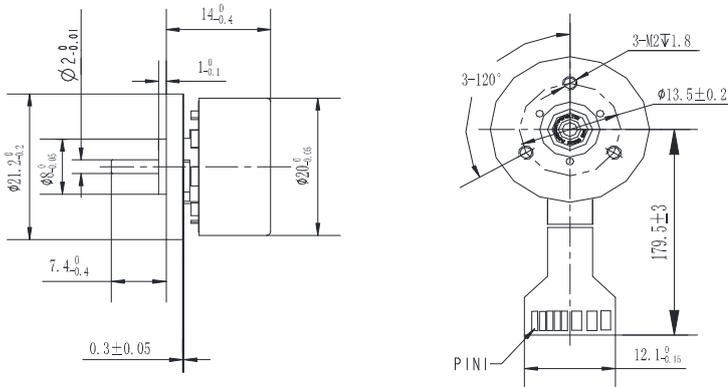


机械尺寸

(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)	0.02mm@450g
轴向间隙 (Axial Play)	0.08mm@450g
最大径向负载 (Max radial force)	5.3N距法兰5mm (5mm From the flange)
最大轴向负载 (Max axial force)	1.8N
介电强度 (Dielectric Strength)	360VAC/1S
绝缘电阻 (Insulation Resistance)	100M Ω , 500VDC
环境温度 (Ambient Temperature)	-20°C ~ +50°C
绝缘等级 (Insulation Class)	Class B

接线说明

(Electric Connection)

Pin No	引出线型号 Type	功能 Functions
1	FPC	霍尔电源正 (Vcc)
2		霍尔 W (Hw)
3		霍尔 U (Hu)
4		霍尔 V (Hv)
5		霍尔电源负 (GND)
6		W相 (Phase W)
7		V相 (Phase V)
8		U相 (Phase U)

电性能

(Electrical Specifications)

	单位 (Unit)	FL20BLW14-12V-5105A	FL20BLW14-24V-5205A
极数 (Number of poles)			8
相数 (Number of phases)			3
额定电压 (Rated voltage)	VDC	12	24
额定转矩 (Rated torque)	mN.m	7.59	7.74
连续运行转矩 (Continuous stall torque)	mN.m	9.1	9.2
额定速度 (Rated speed)	RPM	5170	5220
额定功率 (Rated power)	W	5	5
峰值转矩 (Peak torque)	mN.m	19	20
峰值电流 (Peak current)	A	1.62	0.85
线电阻 (Line to line resistance)	ohms@20°C	7.2	26.1
线电感 (Line to line inductance)	mH	0.62	2.6
转矩常数 (Torque constant)	mN.m/A	12	24
反电势 (Back EMF)	Vrms/KRPM	0.89	1.78
转动惯量 (Rotor inertia)	g.cm ²	5.1	5.1
机身长度 (Motor length)	mm	14	14
重量 (Weight)	g	23	23