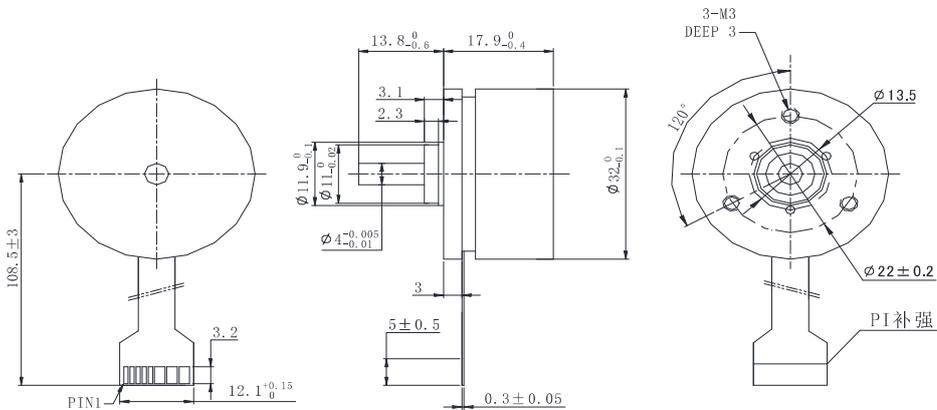


机械尺寸

(Dimensions)



选件 Options



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)	14N距法兰5mm (5mm From the flange)
最大轴向负载 (Max axial force)	4.8N
介电强度 (Dielectric Strength)	600VAC/1S
绝缘电阻 (Insulation Resistance)	100MΩ, 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)	FL32BLW18 -9V-3706A	FL32BLW18 -12V-4607A	FL32BLW18 -24V-4507A	FL32BLW18 -48V-4808A
极数 (Number of poles)		8			
相数 (Number of phases)		3			
额定电压 (Rated voltage)	VDC	9	12	24	48
额定转矩 (Rated torque)	mN.m	29.5	25.1	25.5	24.7
连续运行转矩 (Continuous stall torque)	mN.m	35.4	30.1	30.6	29.6
额定速度 (Rated speed)	RPM	2100	2800	2760	2950
额定功率 (Rated power)	W	6	7	7	8
峰值扭矩 (Peak torque)	mN.m	73.8	75.3	76.5	74.1
峰值电流 (Peak current)	A	3.4	3.2	1.7	0.97
线电阻 (Line to line resistance)	ohms@20°C	2.87	3.43	13.7	53
线电感 (Line to line inductance)	mH	1.61	1.87	7.73	27.8
转矩常数 (Torque constant)	mN.m/A	23	24.8	51	96.1
反电势 (Back EMF)	Vrms/KRPM	1.7	1.83	3.77	7.1
转动惯量 (Rotor inertia)	g.cm ²	35	35	35	35
机身长度 (Motor length)	mm	18	18	18	18
重量 (Weight)	g	50	50	50	50