

A

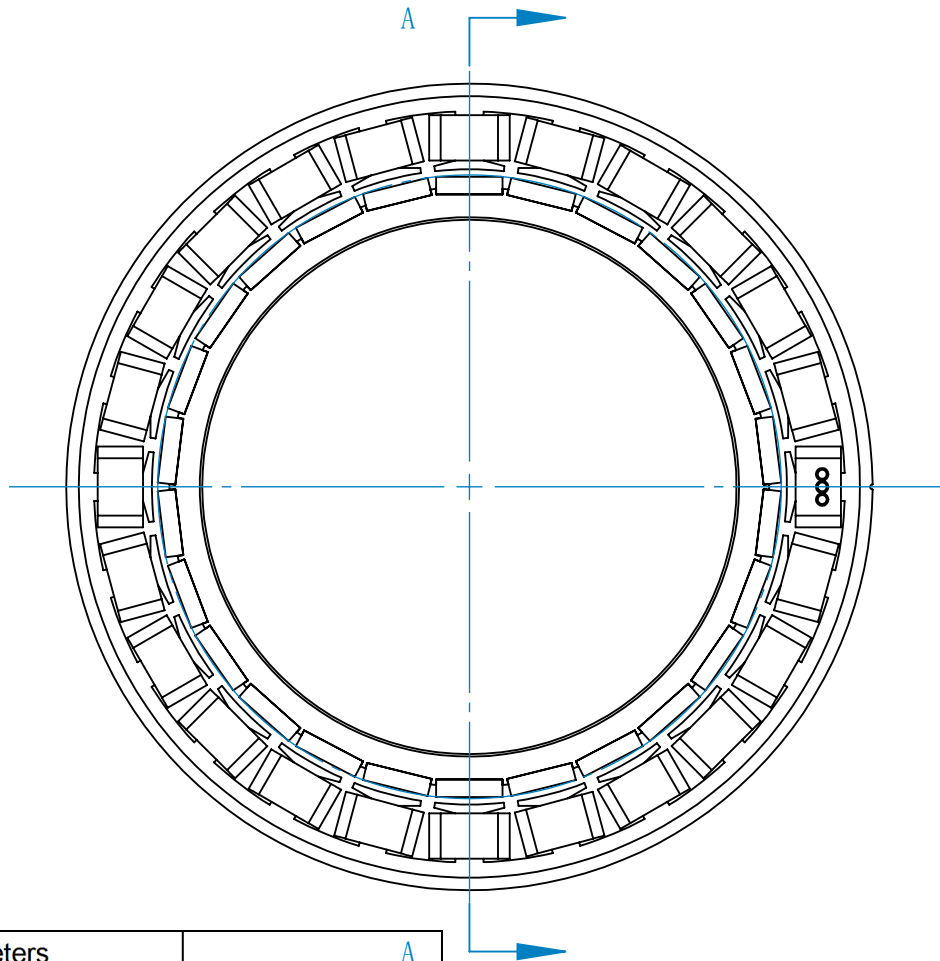
B

C

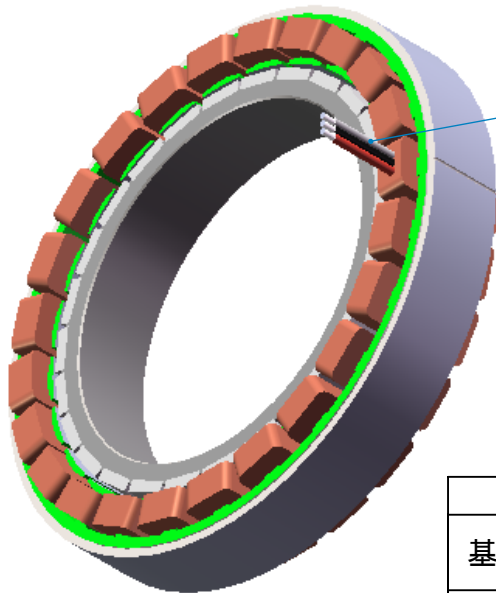
D

E

F



Motor parameters	A
Model	U16035
Voltage	48V DC
Rated output (W)	471.6
Rated torque (Nm)	15
Instant max torque (Nm)	32
Rated current (Arms)	17
Instant max current (Arms)	38
Rated speed (Rpm)	300
Max speed (Rpm)	600
Torque parameters (Nm/Arm	0.88
Rotor inertia (10 ⁻⁴ kg.m ²)	14
Back EMF coefficient(Vrims/	61
Coil resistance (Ω)	0.2
Phase inductance (mH)	0.44
Number of pole-pairs (2P)	13



Wire: #14AWG, Red: U, Black: V, White: W, length: 300mm.

表1.未注线性尺寸公差及角度参照表					
基本尺寸	选用等级				角度
	A	B	C	D	
≤5	±0.02	±0.03	±0.05		0°~30° ±0.1°
>5~20	±0.03	±0.05	±0.1		31°~60° ±0.3°
>20~50	±0.05	±0.1	±0.15		61°~90° ±0.5°
>50~100	±0.1	±0.15	±0.2		
>100	±0.1%	±0.15%	±0.2%		

料号	U16035	描述	16035电机	
材料		图幅	数量	比例
		A3	1	2:1
版本	A1	第 1 张 共 1 张		
设计	戴耿志	强和精密机电		
审核				
批准	戴耿志	