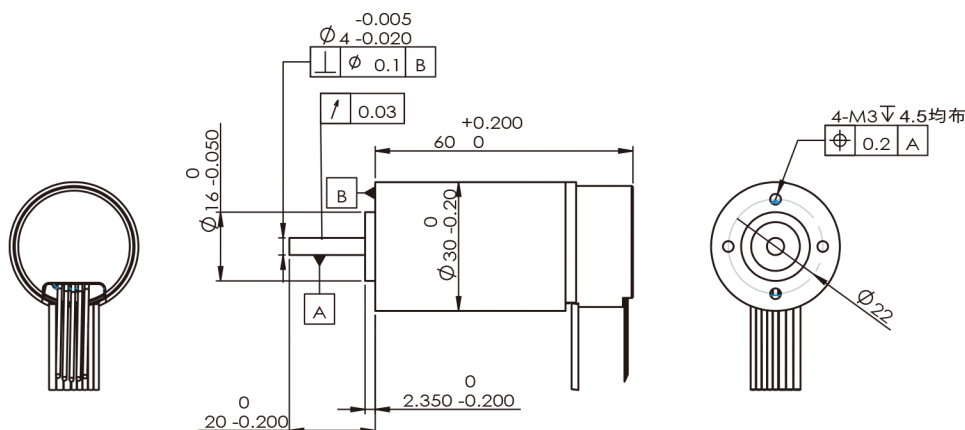




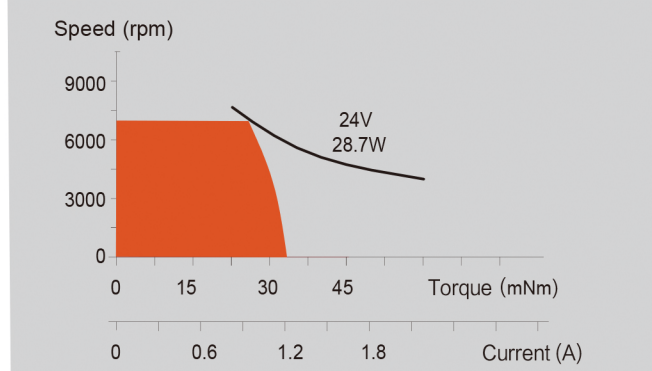
Motor Data

电机型号	Motor model			SBR306024B-02			
1 额定电压	Nominal voltage	V	V	24			
2 空载转速	No load speed	rpm	Wnl	8300			
3 空载电流	No load current	mA	InI	<290			
4 额定转速	Nominal speed	rpm	Wc	7000			
5 额定转矩	Nominal torque	mNm	Tc	39			
6 额定电流	Nominal current	A	Ic	1.47			
7 输出功率	Output power	W	Pc	28.7			
8 堵转扭矩	Stall torque	mNm	Tmax	212			
9 堵转电流	Stall current	A	Imax	8			
10 最大效率	Max. efficiency	%	ηmax	81			
11 线间电阻	Terminal resistance	Ω	Rt	3			
12 线圈电感	Terminal inductance	L	mH	0.5			
13 力矩系数	Torque constant	mNm / A	Kt	26.6			
14 速度常数	Speed constant	rpm / V	Kn	358.8			
15 速度扭矩比	Speed torque gradier	rpm / mNm	Δn / ΔT	32.45			

Specifications

1 ambient temperature	Ta	-20~+65°C
2 Max.winding temperature	Tcoilmax	+85°C
3 Max.speed	Nmax	9130rpm
4 axial play	Δt	0.05~0.15mm
5 number of pole pairs	p	1
6 number of commutator segments		3
7 weight of motor	Wt	201g
8 Max.axial load(dynamic)		5N
9 Max.force for press fits(static)		98N
10 Max.radial load,4mm from flange		25N

Operating Range



Terminal definitions

Green	U	1 +5V	Magnet Encoder
Black	V	2 GND	3 Channel
Red	W	3 Channel A-	1000CPT
		4 Channel A+	
		5 Channel B-	
		6 Channel B+	
		7 Channel Z-	
		8 Channel Z+	
		9 Hall3	
		10 Hall2	
		11 Hall1	