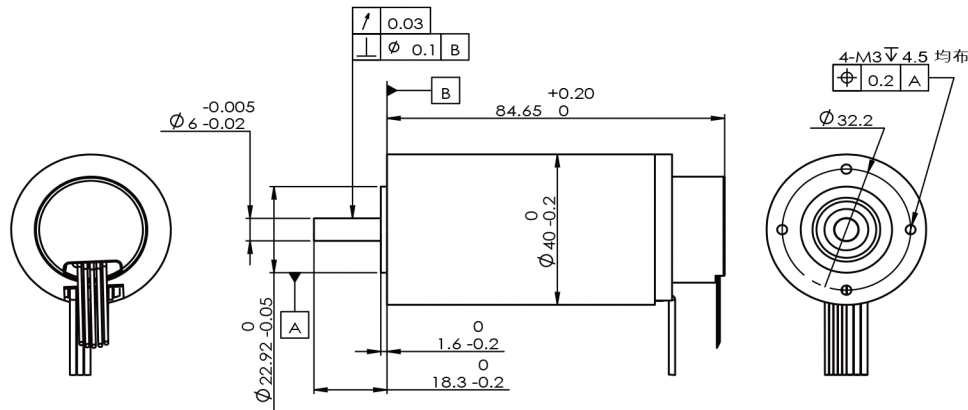




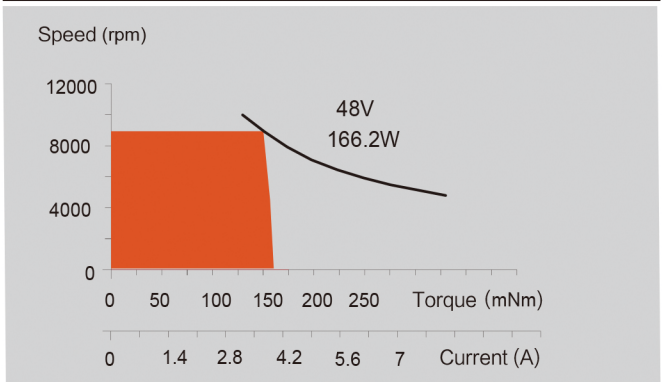
Motor Data

电机型号	Motor model			SBR408524B-02	SBR408548B-02		
1 额定电压	Nominal voltage	V	V	24	48		
2 空载转速	No load speed	rpm	Wnl	11100	10000		
3 空载电流	No load current	mA	InI	350	150		
4 额定转速	Nominal speed	rpm	Wc	10290	9300		
5 额定转矩	Nominal torque	mNm	Tc	140	170		
6 额定电流	Nominal current	A	Ic	6.74	3.72		
7 输出功率	Output power	W	Pc	150	166.2		
8 堵转扭矩	Stall torque	mNm	Tmax	2076.2	2465.2		
9 堵转电流	Stall current	A	Imax	100	53.93		
10 最大效率	Max. efficiency	%	η_{max}	93.3	93.1		
11 线间电阻	Terminal resistance	Ω	Rt	0.24	0.89		
12 线圈电感	Terminal inductance	L	mH	0.3	0.5		
13 力矩系数	Torque constant	mNm / A	Kt	20.76	45.71		
14 速度常数	Speed constant	rpm / V	Kn	460	208.9		
15 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	5.04	3.9		

Specifications

1 ambient temperature	Ta	-20~+65°C
2 Max.winding temperature	Tcoilmax	+85°C
3 Max.speed	Nmax	10000rpm
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	578g
8 Max.axial load(dynamic)		8N
9 Max.force for press fits(static)		211N
10 Max.radial load,4mm from flange		80N

Operating Range



Terminal definitions

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