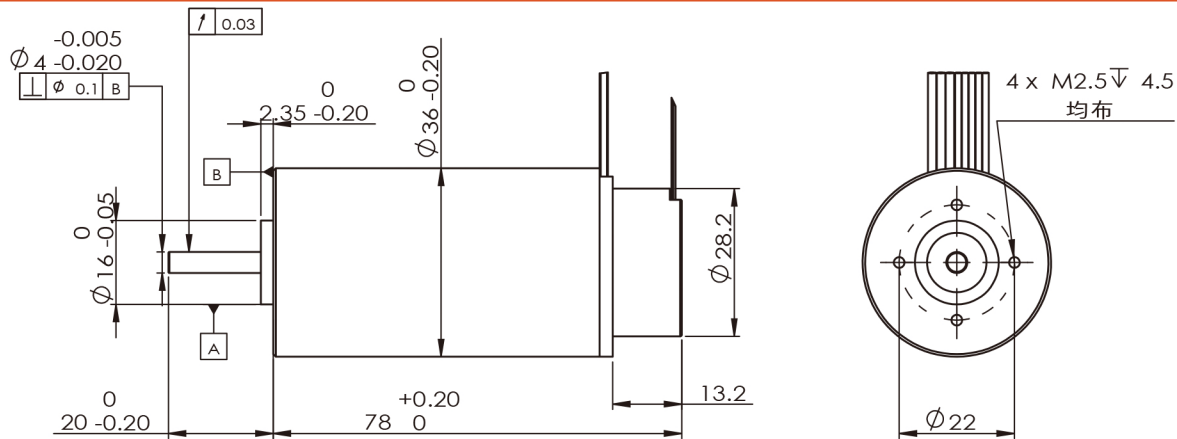




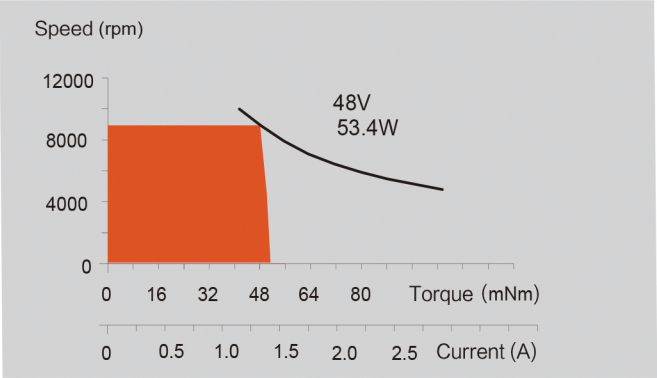
Motor Data

电机型号	Motor model				SBR367848B-02	
1 额定电压	Nominal voltage	V	V		48	
2 空载转速	No load speed	rpm	WnI		10500	
3 空载电流	No load current	mA	InI		<300	
4 额定转速	Nominal speed	rpm	Wc		10000	
5 额定转矩	Nominal torque	mNm	Tc		50.4	
6 额定电流	Nominal current	A	Ic		1.17	
7 输出功率	Output power	W	Pc		53.4	
8 堵转扭矩	Stall torque	mNm	Tmax		879	
9 堵转电流	Stall current	A	Imax		23.9	
10 最大效率	Max. efficiency	%	ηmax		74	
11 线间电阻	Terminal resistance	Ω	Rt		2.01	
12 线圈电感	Terminal inductance	L	mH		3	
13 力矩系数	Torque constant	mNm / A	Kt		36.8	
14 速度常数	Speed constant	rpm / V	Kn		222	
15 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT		7.68	

Specifications

1 ambient temperature	Ta	-20~+65°C
2 Max.winding temperature	Tcoilmax	+85°C
3 Max.speed	Nmax	11550rpm
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	346g
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	