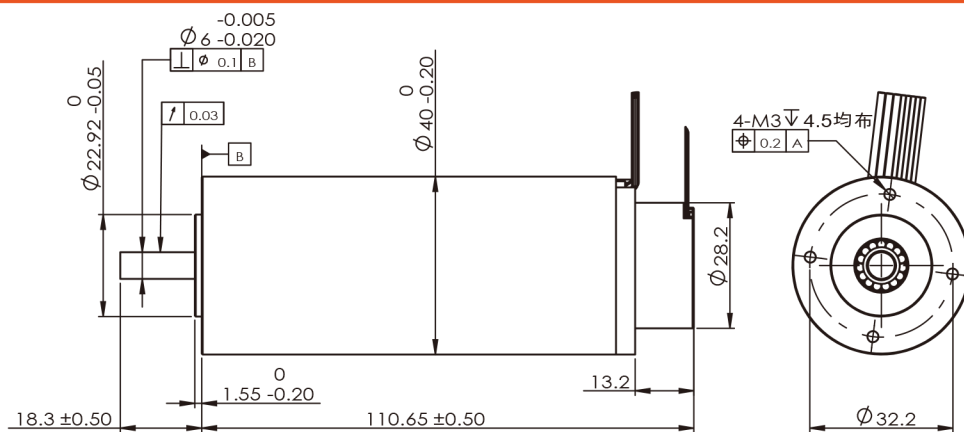




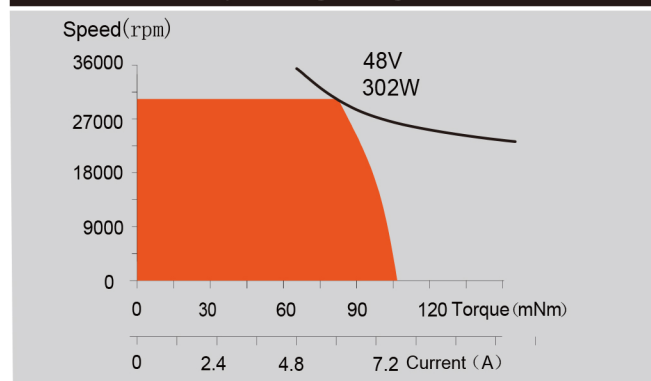
电机参数 Motor Data

电机型号	Motor model			SBRS4011148B			
1 额定电压	Nominal voltage	V	V	48			
2 空载转速	No load speed	rpm	Wnl	34000			
3 空载电流	No load current	mA	InI	<400			
4 额定转速	Nominal speed	rpm	Wc	31000			
5 额定转矩	Nominal torque	mNm	Tc	93			
6 额定电流	Nominal current	A	Ic	6.6			
7 输出功率	Output power	W	Pc	302			
8 堵转转矩	Stall torque	mNm	Tmax	1988			
9 堵转电流	Stall current	A	Imax	141			
10 最大效率	Max. efficiency	%	ηmax	89			
11 线间电阻	Terminal resistance	Ω	Rt	0.34			
12 线圈电感	Terminal inductance	L	mH	0.2			
13 力矩系数	Torque constant	mNm / A	Kt	14.1			
14 速度常数	Speed constant	rpm / V	Kn	677			
15 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	32.26			

特性参数 Specifications

1 环境温度 ambient temperature	Ta	-20~+65 °C
2 最大允许线圈温度 max. winding temperature	Tcoilmax	+85 °C
3 最大允许速度 max. speed	Nmax	34000rpm
4 轴向窜动 axial play	Δt	0.05-0.15 mm
5 极对数 number of pole pairs	2p	1
6 换向器片数 number of commutator segments		3
7 马达重量 weight of motor	Wt	595g
8 最大轴向载荷 (动态) Max. axial load (dynamic)		8N
9 最大允许安装力 (静态) Max. force for press fits (static)		211N
10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange		80N

电机运行范围 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	