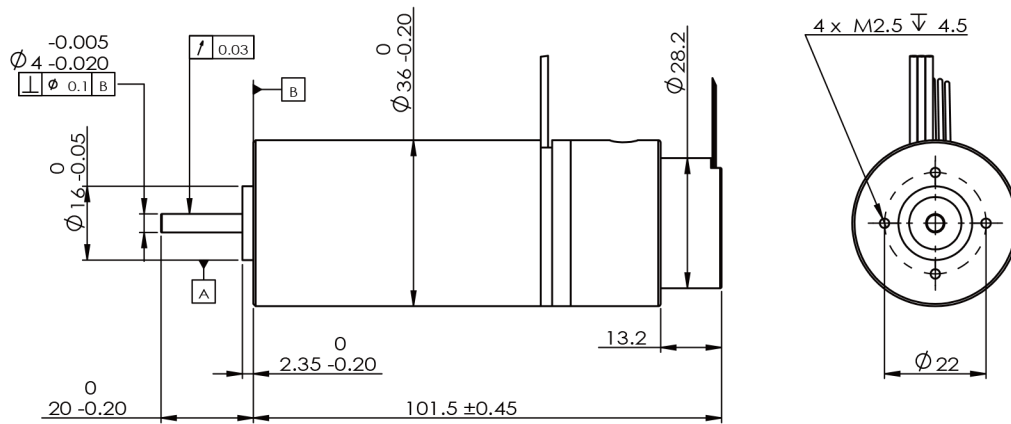




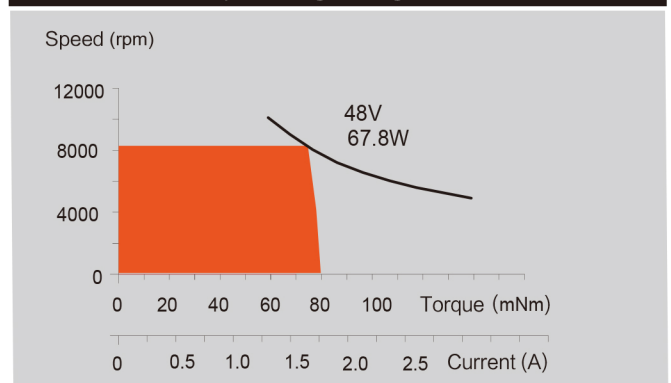
电机参数 Motor Data

电机型号	Motor model				SBR3610248Z-02
1 额定电压	Nominal voltage	V	V		48
2 空载转速	No load speed	rpm	Wnl		8800
3 空载电流	No load current	mA	InI		<300
4 额定转速	Nominal speed	rpm	Wc		8100
5 额定转矩	Nominal torque	mNm	Tc		80
6 额定电流	Nominal current	A	Ic		1.57
7 输出功率	Output power	W	Pc		67.8
8 堵转扭矩	Stall torque	mNm	Tmax		818
9 堵转电流	Stall current	A	Imax		16
10 最大效率	Max. efficiency	%	η_{max}		86
11 线间电阻	Terminal resistance	Ω	Rt		3
12 线圈电感	Terminal inductance	L	mH		1.6
13 力矩系数	Torque constant	mNm / A	Kt		51.5
14 速度常数	Speed constant	rpm / V	Kn		187
15 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$		8.86

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	9680 rpm
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	434.1g
8 最大轴向载荷 (动态) Max. axial load (dynamic)		5N
9 最大允许安装力 (静态) Max. force for press fits (static)		98N
10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange		25N

电机运行范围 Operating Range



接线定义 Terminal definitions

Green	U	1 +5V	Magnet Encoder
Black	V	2 GND	3 Channel
Red	W	3 Channel A+	1000CPT
		4 Channel B+	
		5 Channel B-	
		6 Channel B+	
		7 Channel Z-	
		8 Channel Z+	
		9 Hall3	
		10 Hall2	
		11 Hall1	
Black(Brake)			
DC24V(Starting Voltage)/			
DC7V(Holding Voltage)			
Black(Brake)			
GND			