

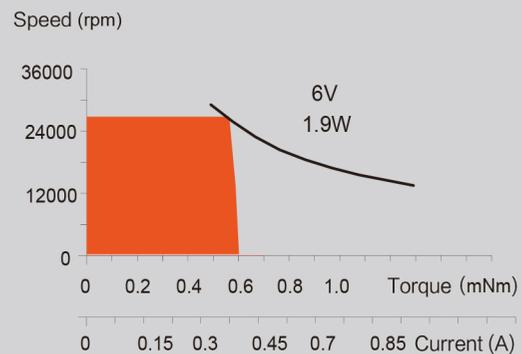
电机参数 Motor Data

电机型号	Motor model	SBR102506B		
1 额定电压	Nominal voltage	V	V	6
2 空载转速	No load speed	rpm	Wnl	30000
3 空载电流	No load current	mA	InI	<200
4 额定转速	Nominal speed	rpm	Wc	27800
5 额定转矩	Nominal torque	mNm	Tc	0.65
6 额定电流	Nominal current	A	Ic	0.4
7 输出功率	Output power	W	Pc	1.9
8 堵转扭矩	Stall torque	mNm	Tmax	4
9 堵转电流	Stall current	A	Imax	2.4
10 最大效率	Max. efficiency	%	ηmax	85
11 线间电阻	Terminal resistance	Ω	Rt	2.55
12 线圈电感	Terminal inductance	L	mH	0.05
13 力矩系数	Torque constant	mNm / A	Kt	1
14 速度常数	Speed constant	rpm / V	Kn	5272
15 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	3286

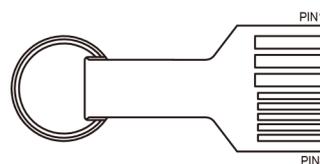
特性参数 Specifications

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	33000 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	27 g
8 最大轴向载荷 (动态) Max. axial load (dynamic)		0.8N
9 最大允许安装力 (静态) Max. force for press fits (static)		15N
10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange		1.4N

电机运行范围 Operating Range



接线定义 Terminal definitions



- 1 U
- 2 V
- 3 W
- 4 +5V
- 5 GND
- 6 A
- 7 B
- 8 Z

Magnet Encoder
3 Channel
1024CPT