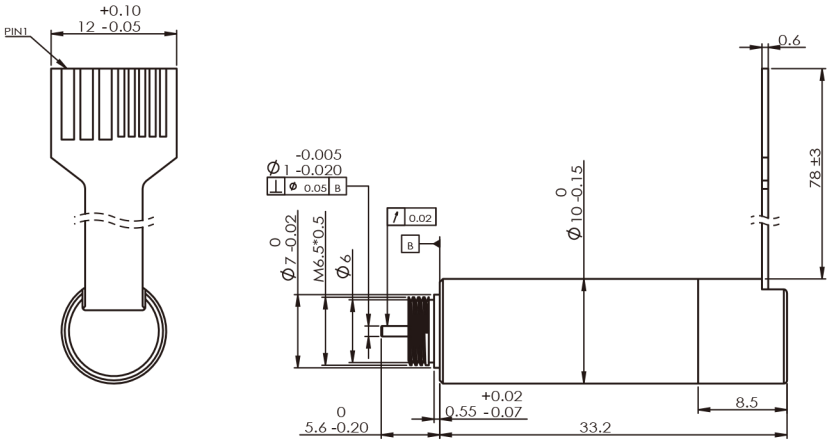
SBR1033B | 无刷 Brushless



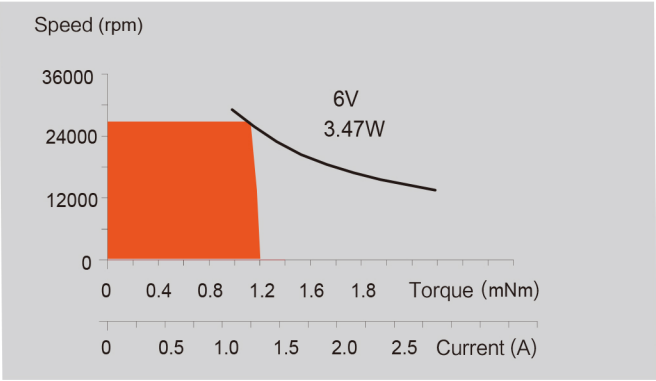
电机参数 Motor Data

	电机型号	Motor model			SBR103306B		
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	＜140		
4	额定转速	Nominal speed	rpm	Wc	27600		
5	额定转矩	Nominal torque	mNm	Tc	1.2		
6	额定电流	Nominal current	A	Ic	1.2		
7	输出功率	Output power	W	Pc	3.47		
8	堵转扭矩	Stall torque	mNm	Tmax	6		
9	堵转电流	Stall current	A	Imax	6.2		
10	最大效率	Max. efficiency	%	ηmax	81		
11	线间电阻	Terminal resistance	Ω	Rt	1		
12	线圈电感	Terminal inductance	L	mH	0.03		
13	力矩系数	Torque constant	mNm / A	Kt	1		
14	速度常数	Speed constant	rpm / V	Kn	9356		
15	速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	8076		

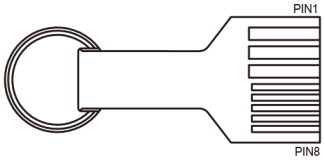
特性参数 Specifications

1	环境温度 ambient temperature	Ta	-20~+65 ℃
2	最大允许线圈温度 max. winding temperature	Tcoilmax	+85 ℃
3	最大允许速度 max. speed	Nmax	33000rpm
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	30 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