

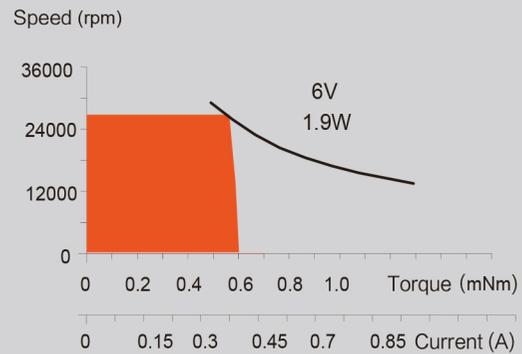
Motor Data

Motor model	SBR102506B		
1 Nominal voltage	V	V	6
2 No load speed	rpm	Wnl	30000
3 No load current	mA	InI	<200
4 Nominal speed	rpm	Wc	27800
5 Nominal torque	mNm	Tc	0.65
6 Nominal current	A	Ic	0.4
7 Output power	W	Pc	1.9
8 Stall torque	mNm	Tmax	4
9 Stall current	A	Imax	2.4
10 Max. efficiency	%	ηmax	85
11 Terminal resistance	Ω	Rt	2.55
12 Terminal inductance	L	mH	0.05
13 Torque constant	mNm / A	Kt	1
14 Speed constant	rpm / V	Kn	5272
15 Speed torque gradient	rpm / mNm	Δn / ΔT	3286

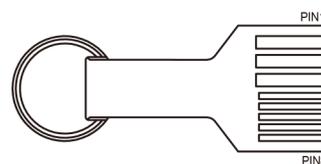
Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	33000rpm
4 axial play	Δt	0.05-0.15 mm
5 number of pole pairs	2p	1
6 number of commutator segments		3
7 weight of motor	Wt	27g
8 Max. axial load (dynamic)		0.8N
9 Max. force for press fits (static)		15N
10 Max. radial load, 4 mm from flange		1.4N

Operating Range



Terminal definitions



- 1 U
 - 2 V
 - 3 W
 - 4 +5V
 - 5 GND
 - 6 A
 - 7 B
 - 8 Z
- Magnet Encoder
3 Channel
1024CPT