

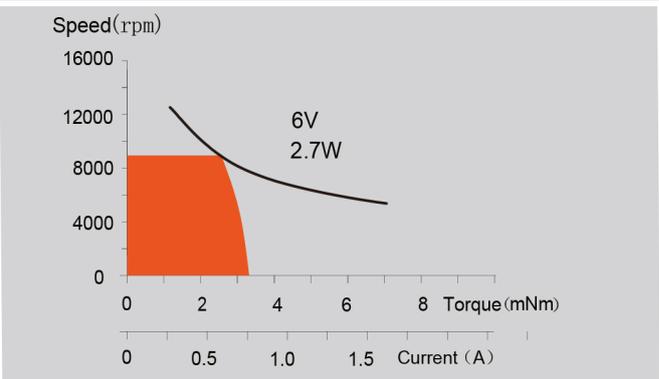
Motor Data

Motor model			SBR134606B	SBR134612B
1 Nominal voltage	V	V	6	12
2 No load speed	rpm	Wnl	12400	11800
3 No load current	mA	InI	80	65
4 Nominal speed	rpm	Wc	8107	5080
5 Nominal torque	mNm	Tc	3.2	3.2
6 Nominal current	A	Ic	0.72	0.37
7 Output power	W	Pc	2.7	1.7
8 Stall torque	mNm	Tmax	8.6	5.2
9 Stall current	A	Imax	1.97	0.6
10 Max. efficiency	%	ηmax	62.7	38.4
11 Terminal resistance	Ω	Rt	3.1	20
12 Terminal inductance	L	mH	0.078	0.15
13 Torque constant	mNm / A	Kt	4.43	8.66
14 Speed constant	rpm / V	Kn	2156	1103
15 Speed torque gradient	rpm / mNm	Δn / ΔT	1341	2099

Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	13640 rpm
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	32g
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

