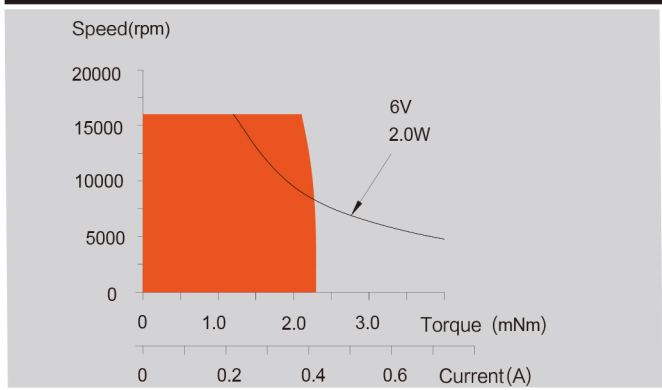


Motor Data				SR163206B	SR163209B	SR163212B	SR163215B	SR163224B
1	Nominal voltage	V	V	6	9	12	15	24
2	No load speed	rpm	Wnl	11000	12300	14500	12500	15200
3	No load current	mA	InI	41	34	40	30	20
4	Nominal speed	rpm	Wc	6700	7580	10900	9000	13000
5	Nominal torque	mNm	Tc	1.5	1.5	1.5	2.15	1.5
6	Nominal current	A	Ic	0.31	0.23	0.2	0.2	0.1
7	Output power	W	Pc	1.06	1.19	1.73	2.05	2.05
8	Stall torque	mNm	Tmax	3.55	4.5	5.26	7	8.9
9	Stall current	A	Imax	0.72	0.7	0.71	0.64	0.61
10	Max. efficiency	%	ηmax	71	75	71	70	83
11	Terminal resistance	Ω	Rt	8.3	12.8	17	23.4	39.3
12	Torque constant	mNm / A	Kt	4.91	6.43	7.46	10.92	14.58
13	Speed constant	rpm / V	Kn	1943	1485	1281	874	655
14	Speed torque gradient	rpm / mNm	Δn / ΔT	2842	2720	2340	1587	1421
15	Terminal inductance	mH	L	0.17	0.23	0.28	0.75	0.9
16	Rotor inertia	gcm <sup>2</sup>	J	0.65	0.64	0.62	0.62	0.6

Specifications

- 1 ambient temperature Ta -20~+65°C
- 2 Max.winding temperature Tcoilmax +125°C
- 3 Max.speed Nmax 16000rpm
- 4 axial play Δt 0.05~0.15mm
- 5 number of pole pairs p 1
- 6 number of commutator segments 5
- 7 weight of motor Wt 26g
- 8 Max.axial load(dynamic) 0.8N
- 9 Max.force for press fits(static) 15N
- 10 Max.radial load,4mm from flange 1.5N

Operating Range



Terminal definitions

