

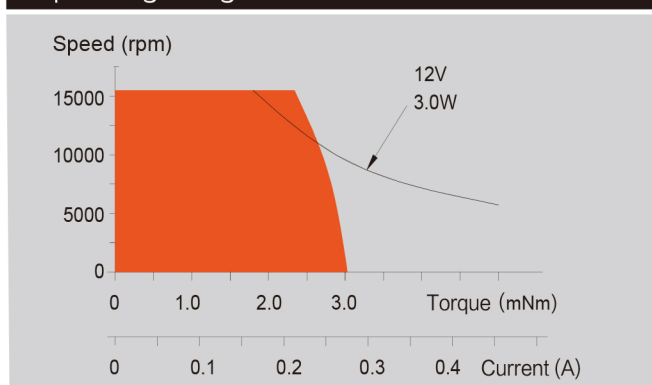
Motor Data

	Motor model			SR134203B	SR134206B	SR134209B	SR134212B	SR134224B
1	Nominal voltage	V	V	3	6	9	12	24
2	No load speed	rpm	WnI	11600	13300	12500	12500	15500
3	No load current	mA	InI	100	42	22	18	12
4	Nominal speed	rpm	Wc	10400	10400	10100	10300	12900
5	Nominal torque	mNm	Tc	2	2.3	2.5	2.4	2.4
6	Nominal current	A	Ic	0.84	0.53	0.37	0.27	0.16
7	Output power	W	Pc	2.2	2.5	2.6	2.6	3.24
8	Stall torque	mNm	Tmax	15.6	11.7	12.7	13.3	13.42
9	Stall current	A	Imax	6.52	2.73	1.88	1.46	0.92
10	Max. efficiency	%	ηmax	87	78.2	78.1	78.3	82
11	Terminal resistance	Ω	Rt	0.46	2.2	4.8	8.2	26.1
12	Torque constant	mNm / A	Kt	2.4	4.31	6.79	9.05	14.59
13	Speed constant	rpm / V	Kn	3995	2298	1405	1054	654
14	Speed torque gradient	rpm / mNm	Δn / ΔT	677	1261	933	890	1085
15	Terminal inductance	mH	L	0.012	1.2	0.58	1.09	1.1
16	Rotor inertia	gcm ²	J	0.7	0.6	0.56	0.57	0.58

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	27g
8 Max.axial load(dynamic)		0.8N
9 Max.force for press fits(static)		15N
10 Max.radial load,4mm from flange		1.4N

Operating Range



Terminal definitions

