

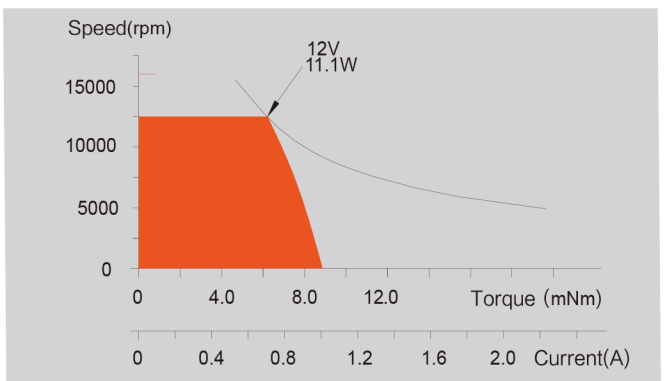
Motor Data

	Motor model			SRH165006B	SRH165012B	
1	Nominal voltage	V	V	6	12	
2	No load speed	rpm	Wnl	12300	15300	
3	No load current	mA	Inl	54	40	
4	Nominal speed	rpm	Wc	10240	12290	
5	Nominal torque	mNm	Tc	7.2	8.6	
6	Nominal current	A	Ic	1.55	1.16	
7	Output power	W	Pc	7.7	11.1	
8	Stall torque	mNm	Tmax	42.1	42.5	
9	Stall current	A	I _{max}	9.1	5.7	
10	Max. efficiency	%	η _{max}	87	80	
11	Terminal resistance	Ω	R _t	0.66	2.1	
12	Torque constant	mNm / A	K _t	4.63	7.4	
13	Speed constant	rpm / V	K _n	2060	1284	
14	Speed torque gradient	rpm / mNm	Δn / ΔT	285	350	

Specifications

- 1 ambient temperature T_a -20~+65°C
- 2 Max.winding temperature $T_{coilmax}$ +125°C
- 3 Max.speed N_{max} 12000rpm
- 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 W_t 45g
- 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

