

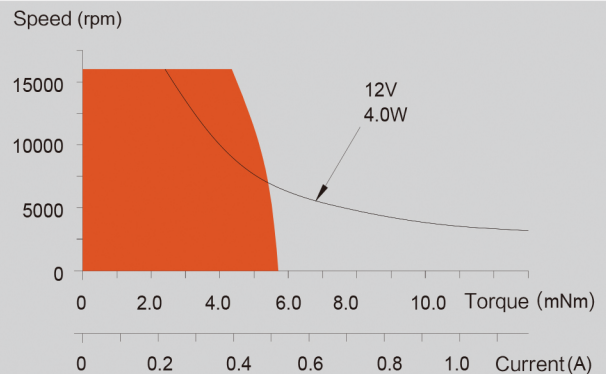
Motor Data

电机型号	Motor model			DR222406B	DR222409B	DR222412B	DR222418B	DR222424B	DR222436B
1 额定电压	Nominal voltage	V	V	6	9	12	18	24	36
2 空载转速	No load speed	rpm	Wnl	10900	11800	12000	10800	12000	10800
3 空载电流	No load current	mA	InI	38	27	24	18	14	12
4 额定转速	Nominal speed	rpm	Wc	6900	6200	7200	6320	5136	6460
5 额定转矩	Nominal torque	mNm	Tc	5	5	5	5	5	5
6 额定电流	Nominal current	A	Ic	0.98	0.7	0.53	0.33	0.27	0.17
7 输出功率	Output power	W	Pc	3.61	3.26	3.8	3.31	2.7	3.38
8 堵转转矩	Stall torque	mNm	Tmax	14	10.38	12.36	12.1	8.55	12.4
9 堵转电流	Stall current	A	Imax	2.37	1.45	1.32	0.79	0.46	0.41
10 最大效率	Max. efficiency	%	η_{max}	79	78	79	79	42	77
11 线间电阻	Terminal resistance	Ω	Rt	2.2	6.2	9.1	22.8	52	87.6
12 力矩系数	Torque constant	mNm / A	Kt	5.12	7.15	9.38	15.27	18.52	30.28
13 速度常数	Speed constant	rpm / V	Kn	1866	1336	1018	625	516	315
14 速度转矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	781	1114	944	896	1372	868
15 线间电感	Terminal inductance	mH	L	0.051	0.1	0.209	0.586	1.14	1.725
16 转子转动惯量	Rotor inertia	gcm ²	J	2.74	2.74	2.74	2.84	2.62	2.33

Specifications

- 1 ambient temperature T_a -20~+65°C
- 2 Max.winding temperature $T_{coilmax}$ +85°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 44g
- 8 Max.axial load(dynamic) 3N
- 9 Max.force for press fits(static) 45N
- 10 Max.radial load,4mm from flange 12N

Operating Range



SMJ Modular System

