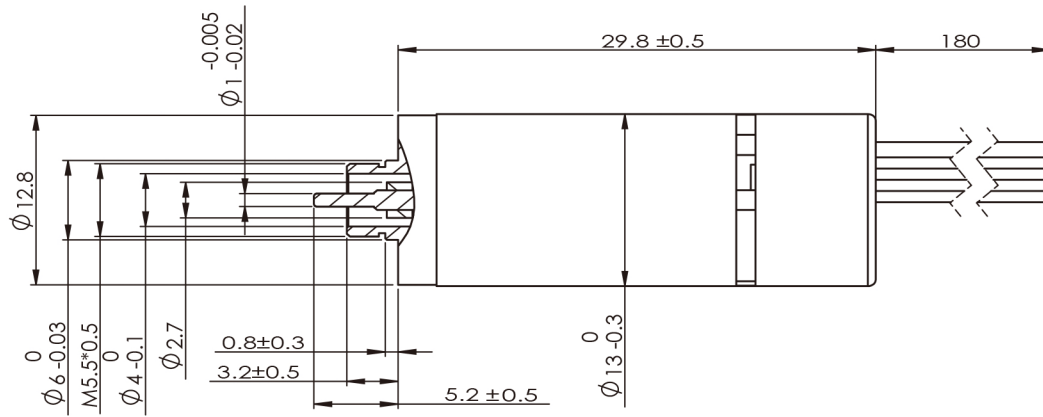




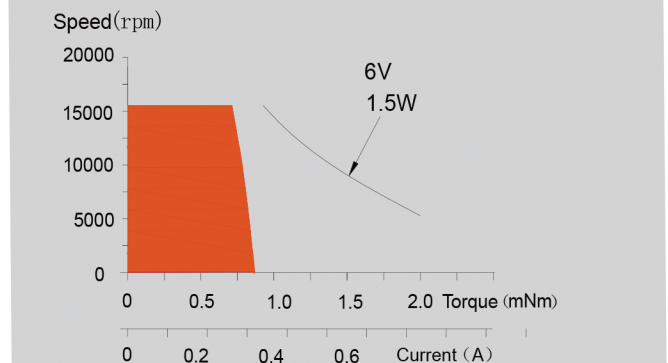
Motor Data

电机型号	Motor model			SR133003B	SR133005B	SR133006B	SR133009B	SR133012B	SR133015B	SR133024B
1 额定电压	Nominal voltage	V	V	3	5	6	9	12	15	24
2 空载转速	No load speed	rpm	Wnl	12500	13000	12700	12500	13800	13200	15500
3 空载电流	No load current	mA	InI	92	48	48	36	28	22	15
4 额定转速	Nominal speed	rpm	Wc	8400	9970	7400	8300	8620	7960	11000
5 额定转矩	Nominal torque	mNm	Tc	1.32	1	1.31	1.29	1.27	1.28	1.24
6 额定电流	Nominal current	A	Ic	0.61	0.28	0.31	0.2	0.16	0.13	0.09
7 输出功率	Output power	W	Pc	1.16	1.06	1.02	1.13	1.15	1.07	1.42
8 堵转转矩	Stall torque	mNm	Tmax	3.61	3.9	3	3.44	3	3.4	3.7
9 堵转电流	Stall current	A	Imax	1.67	1.1	0.7	0.54	0.39	0.35	0.27
10 最大效率	Max. efficiency	%	ηmax	69	69	53	70	58	69	67
11 线间电阻	Terminal resistance	Ω	Rt	1.8	4.5	8.8	16.8	30.6	42.7	90.4
12 力矩系数	Torque constant	mNm / A	Kt	2.16	3.51	4.2	6.4	7.71	9.65	14
13 速度常数	Speed constant	rpm / V	Kn	4410	2717	2295	1488	1238	990	684.5
14 速度转矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	3112	2893	4113	3200	4079	4645	3687
15 线间电感	Terminal inductance	mH	L	0.19	0.102	0.152	0.8	0.63	0.878	1.9
16 转子转动惯量	Rotor inertia	gcm ²	J	0.3	0.32	0.32	0.32	0.31	0.32	0.32

Specifications

1 ambient temperature	Ta	-20~+65°C
2 Max.winding temperature	Tcoilmax	+85°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	20g
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

1	Red	Motor +	Magnet Encoder
2	Black	+5V	3 Channel
3	Black	GND	1000CPT
4	Black	Channel Z	
5	Black	Channel B	
6	Black	Channel A	
7	Black	Motor -	