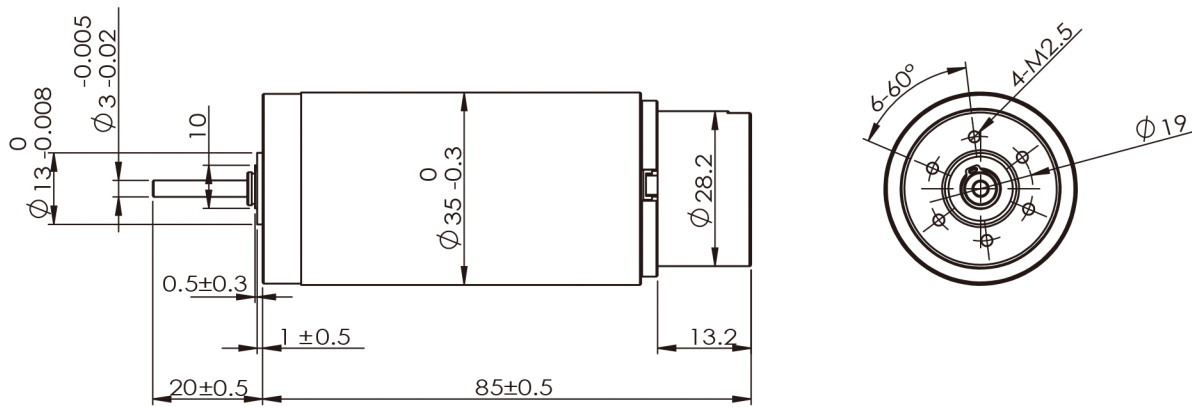




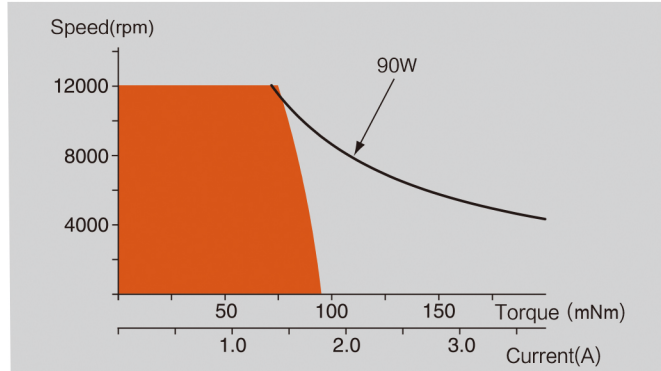
Motor Data

电机型号	Motor model			SR358512G	SR358515G	SR358524G	SR358530G	
1 额定电压	Nominal voltage	V	V	12	15	24	30	
2 空载转速	No load speed	rpm	Wnl	7200	7270	8000	7270	
3 空载电流	No load current	mA	Ini	330	220	190	124	
4 额定转速	Nominal speed	rpm	Wc	6550	6580	7200	6490	
5 额定转矩	Nominal torque	mNm	Tc	89.4	97	119	97.2	
6 额定电流	Nominal current	A	Ic	5.6	4.9	4.17	2.62	
7 输出功率	Output power	W	Pc	61	66	90	66	
8 堵转转矩	Stall torque	mNm	Tmax	950	981	1200	973	
9 堵转电流	Stall current	A	Imax	60	50	42	25	
10 最大效率	Max. efficiency	%	ηmax	87	90	90	85	
11 线间电阻	Terminal resistance	Ω	Rt	0.2	0.3	0.57	1.2	
12 力矩系数	Torque constant	mNm / A	Kt	15.8	19.62	28.5	38.9	
13 速度常数	Speed constant	rpm / V	Kn	602	486	335	246	
14 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	7.24	7.1	6.36	7.57	
15 线间电感	Terminal inductance	mH	L	0.05	0.08	0.24	0.35	
16 转子转动惯量	Rotor inertia	gcm ²	J	68.2	68.2	79.4	68.2	

Specifications

1 ambient temperature	Ta	-30~+100℃
2 Max.winding temperature	Tcoilmax	+155℃
3 Max.speed	Nmax	12000rpm
4 axial play	Δt	0.05~0.15mm
5 number of pole pairs	p	1
6 number of commutator segments		13
7 weight of motor	Wt	354g
8 Max.axial load(dynamic)		5.6N
9 Max.force for press fits(static)		110N
10 Max.radial load,4mm from flange		28N

Operating Range



Terminal definitions

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