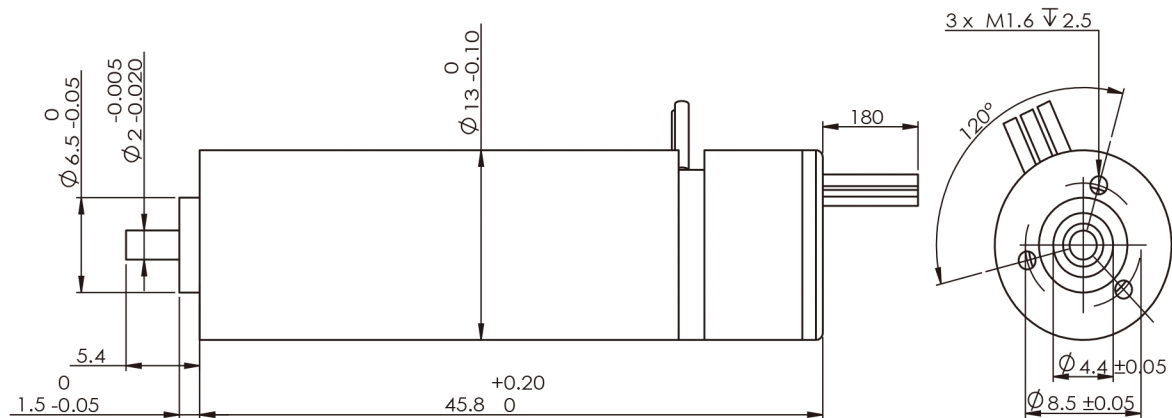




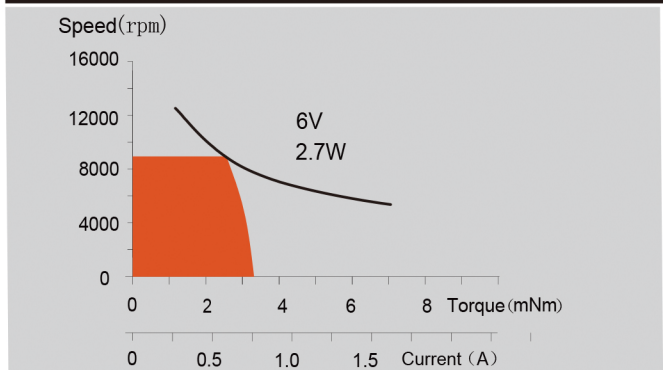
Motor Data

电机型号	Motor model			SBR134606B	SBR134612B		
1 额定电压	Nominal voltage	V	V	6	12		
2 空载转速	No load speed	rpm	Wnl	12400	11800		
3 空载电流	No load current	mA	InI	80	65		
4 额定转速	Nominal speed	rpm	Wc	8107	5080		
5 额定转矩	Nominal torque	mNm	Tc	3.2	3.2		
6 额定电流	Nominal current	A	Ic	0.72	0.37		
7 输出功率	Output power	W	Pc	2.7	1.7		
8 堵转扭矩	Stall torque	mNm	Tmax	8.6	5.2		
9 堵转电流	Stall current	A	Imax	1.97	0.6		
10 最大效率	Max. efficiency	%	η_{max}	62.7	38.4		
11 线间电阻	Terminal resistance	Ω	Rt	3.1	20		
12 线圈电感	Terminal inductance	L	mH	0.078	0.15		
13 力矩系数	Torque constant	mNm / A	Kt	4.43	8.66		
14 速度常数	Speed constant	rpm / V	Kn	2156	1103		
15 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	1341	2099		

Specifications

1 ambient temperature	Ta	-20~+65°C
2 Max.winding temperature	Tcoilmax	+85°C
3 Max.speed	Nmax	12400rpm
4 axial play	Δt	0.05~0.15mm
5 number of pole pairs	p	1
6 number of commutator segments		3
7 weight of motor	Wt	32g
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

Green	U	1	+5V
Black	V	2	GND
Red	W	3	Hall1
		4	Hall2
		5	Hall3
		6	Channel A+
		7	Channel B+
		8	Channel Z+

Magnet Encoder
3 Channel
1000CPT