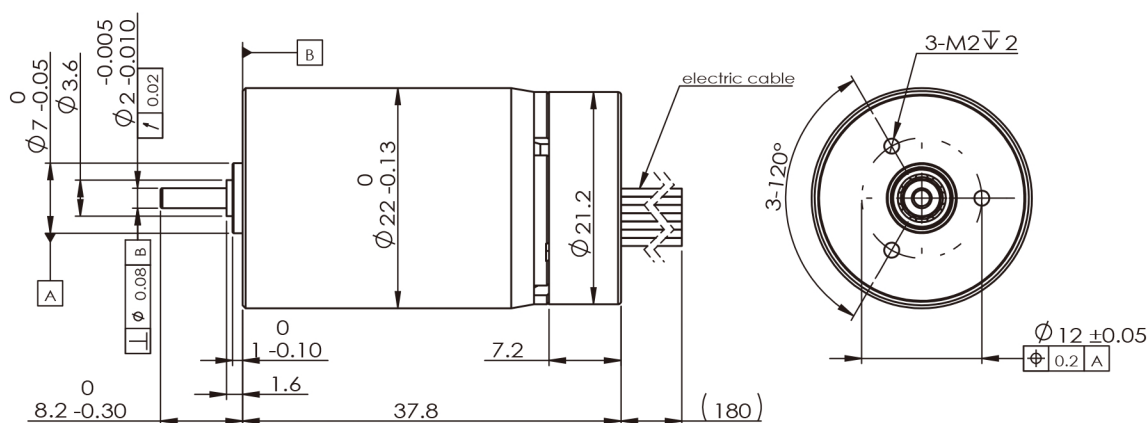




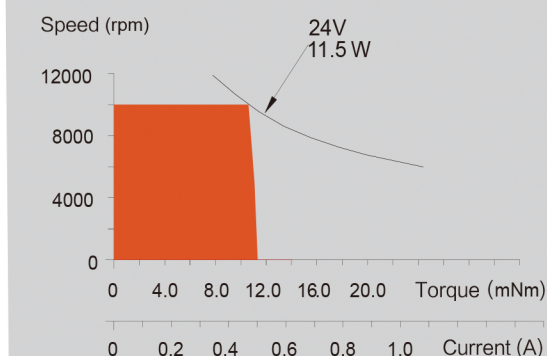
Motor Data

电机型号	Motor model			SRH223812B	SRH223824B		
1 额定电压	Nominal voltage	V	V	12	24		
2 空载转速	No load speed	rpm	Wnl	11500	12000		
3 空载电流	No load current	mA	Inl	22	13		
4 额定转速	Nominal speed	rpm	Wc	9500	9980		
5 额定转矩	Nominal torque	mNm	Tc	10.8	11		
6 额定电流	Nominal current	A	Ic	1.11	0.58		
7 输出功率	Output power	W	Pc	10.8	11.5		
8 堵转扭矩	Stall torque	mNm	Tmax	56.6	64.3		
9 堵转电流	Stall current	A	I _{max}	5.83	3.38		
10 最大效率	Max. efficiency	%	$\eta_{\max}$	80	82		
11 线间电阻	Terminal resistance	Ω	R _t	2.06	7.1		
12 力矩系数	Torque constant	mNm / A	K _t	9.7	19		
13 速度常数	Speed constant	rpm / V	K _n	983	502		
14 速度扭矩比	Speed torque gradient	rpm / mNm	$\Delta n / \Delta T$	204	183		

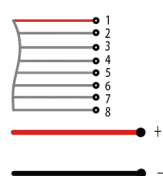
Specifications

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	60g
8 Max.axial load(dynamic)		3N
9 Max.force for press fits(static)		45N
10 Max.radial load,4mm from flange		12N

Operating Range



Terminal definitions



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

Magnet Encoder
3 Channel
1000CPT