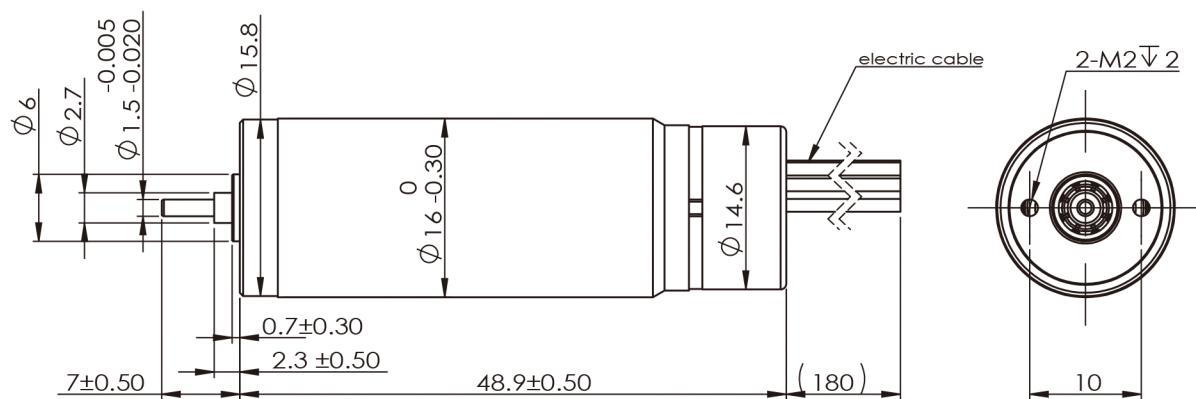




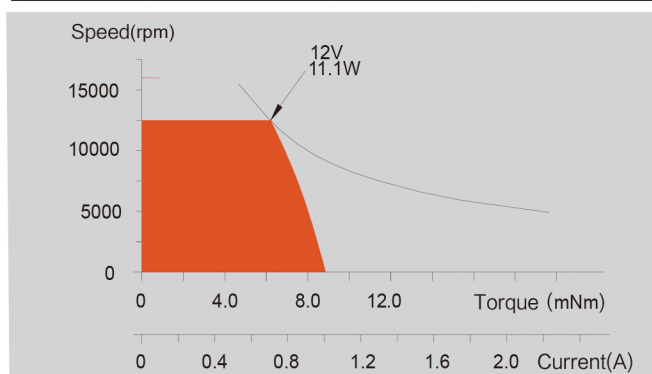
Motor Data

电机型号	Motor model			SRH165006B	SRH165012B		
1 额定电压	Nominal voltage	V	V	6	12		
2 空载转速	No load speed	rpm	Wnl	12300	15300		
3 空载电流	No load current	mA	Inl	54	40		
4 额定转速	Nominal speed	rpm	Wc	10240	12290		
5 额定转矩	Nominal torque	mNm	Tc	7.2	8.6		
6 额定电流	Nominal current	A	Ic	1.55	1.16		
7 输出功率	Output power	W	Pc	7.7	11.1		
8 堵转扭矩	Stall torque	mNm	Tmax	42.1	42.5		
9 堵转电流	Stall current	A	I _{max}	9.1	5.7		
10 最大效率	Max. efficiency	%	η _{max}	87	80		
11 线间电阻	Terminal resistance	Ω	R _t	0.66	2.1		
12 力矩系数	Torque constant	mNm / A	K _t	4.63	7.4		
13 速度常数	Speed constant	rpm / V	K _n	2060	1284		
14 速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	285	350		

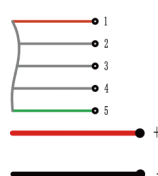
Specifications

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	45g
8 Max.axial load(dynamic)		0.8N
9 Max.force for press fits(static)		15N
10 Max.radial load,4mm from flange		1.5N

Operating Range



Terminal definitions



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

Magnet Encoder
3 Channel
1000CPT