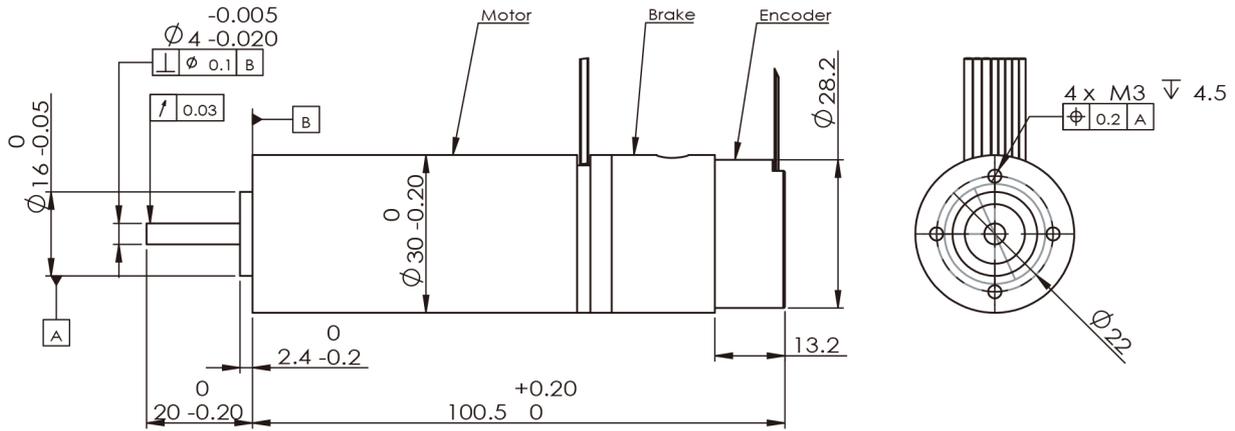


SBR30101Z-02 | 无刷 Brushless



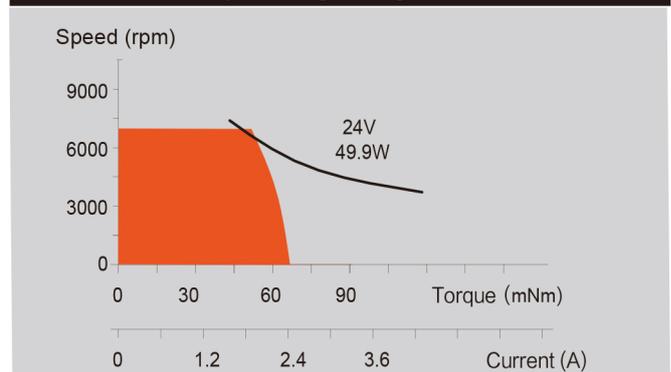
电机参数 Motor Data

电机型号	Motor model			SBR3010124Z-02	SBR3010136Z-02	SBR3010148Z-02
1 额定电压	Nominal voltage	V	V	24	36	48
2 空载转速	No load speed	rpm	Wnl	7200	8400	6900
3 空载电流	No load current	mA	InI	<400	<300	<200
4 额定转速	Nominal speed	rpm	Wc	6600	7700	6300
5 额定转矩	Nominal torque	mNm	Tc	72	70	71
6 额定电流	Nominal current	A	Ic	2.3	1.74	1.09
7 输出功率	Output power	W	Pc	49.9	56.6	47.5
8 堵转扭矩	Stall torque	mNm	Tmax	751	724	789.9
9 堵转电流	Stall current	A	Imax	24	18	12.1
10 最大效率	Max. efficiency	%	ηmax	90.4	90.3	91
11 线间电阻	Terminal resistance	Ω	Rt	1	2	3.97
12 线圈电感	Terminal inductance	L	mH	0.26	0.72	1
13 力矩系数	Torque constant	mNm / A	Kt	31.3	40.24	65.33
14 速度常数	Speed constant	rpm / V	Kn	305.08	237.2	146.17
15 速度扭矩比	Speed torque gradier	rpm / mNm	Δn / ΔT	8.05	9.76	7.25

特性参数 Specifications

1 环境温度 ambient temperature	Ta	-20~+65 °C
2 最大允许线圈温度 max. winding temperature	Tcoilmax	+85 °C
3 最大允许速度 max. speed	Nmax	9240 rpm
4 轴向窜动 axial play	Δt	0.05-0.15 mm
5 极对数 number of pole pairs	2p	1
6 换向器片数 number of commutator segments		3
7 马达重量 weight of motor	Wt	346g
8 最大轴向载荷 (动态) Max. axial load (dynamic)		5N
9 最大允许安装力 (静态) Max. force for press fits (static)		98N
10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange		25N

电机运行范围 Operating Range



接线定义 Terminal definitions

