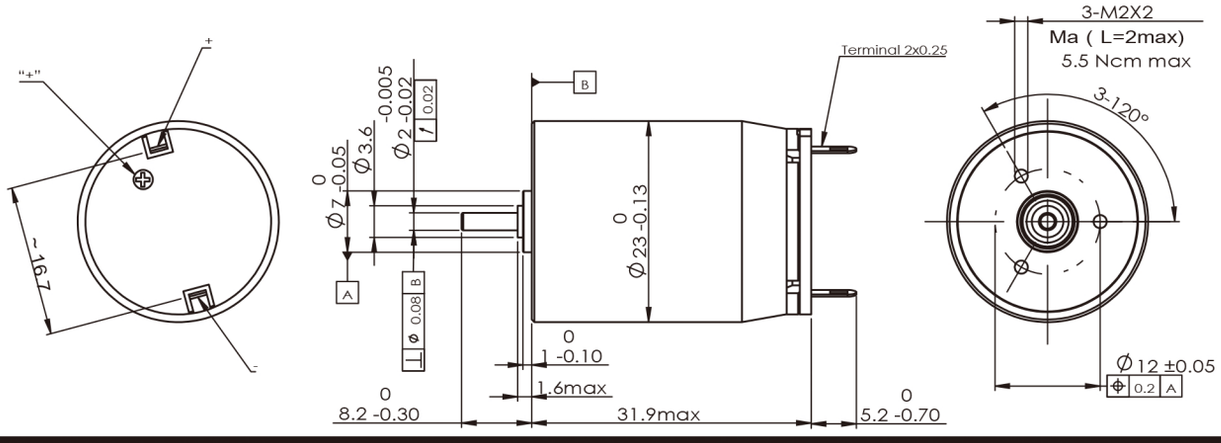
DR2332B | Graphite Brush



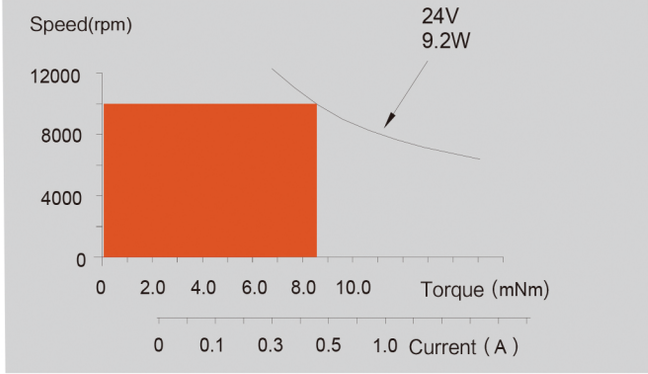
Motor Data

	电机型号	Motor model			DR233209B	DR233212B	DR233224B		
1	额定电压	Nominal voltage	V	V	9	12	24		
2	空载转速	No load speed	rpm	Wnl	12500	11000	12150		
3	空载电流	No load current	mA	Inl	35	25	15		
4	额定转速	Nominal speed	rpm	Wc	9200	9450	10000		
5	额定转矩	Nominal torque	mNm	Tc	11.7	9	8.7		
6	额定电流	Nominal current	A	Ic	1.72	0.89	0.48		
7	输出功率	Output power	W	Pc	11.3	8.9	9.2		
8	堵转扭矩	Stall torque	mNm	Tmax	42.8	36.4	33		
9	堵转电流	Stall current	A	Imax	6.3	3.6	2		
10	最大效率	Max. efficiency	%	ηmax	85	80	80		
11	线间电阻	Terminal resistance	Ω	Rt	1.42	3.3	12		
12	力矩系数	Torque constant	mNm / A	Kt	6.8	10.3	18.7		
13	速度常数	Speed constant	rpm / V	Kn	1388	920	506		
14	速度扭矩比	Speed torque gradient	rpm / mNm	Δn / ΔT	282	172	247		
15	线间电感	Terminal inductance	mH	L	0.07	0.18	0.87		
16	转子转动惯量	Rotor inertia	gcm²	J	4.7	4.7	4.8		

Specifications

1	ambient temperature	Ta	-20~+65°C
2	Max.winding temperature	Tcoilmax	+85°C
3	Max.speed	Nmax	16000rpm
4	axial play	△t	0.05~0.15mm
5	number of pole pairs	p	1
6	number of commutator segments		5
7	weight of motor	Wt	56g
8	Max.axial load(dynamic)		3N
9	Max.force for press fits(static)		45N
10	Max.radial load,4mm from flange		12N

Operating Range



SMJ Modular System

Planetary Gearhead
Type P22H
Diameter φ22
Torque 0.031~1.2N·m
See page 37

Encoder HKT22
256 CPT
2 channels
see page 33