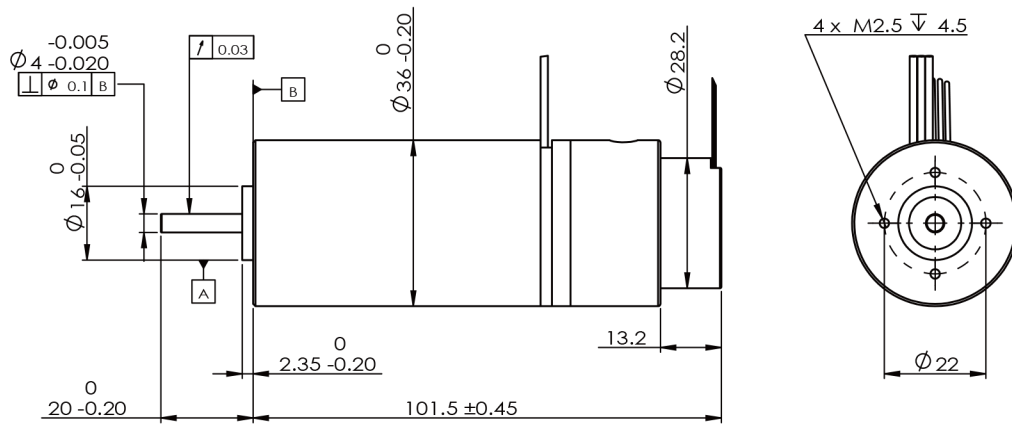




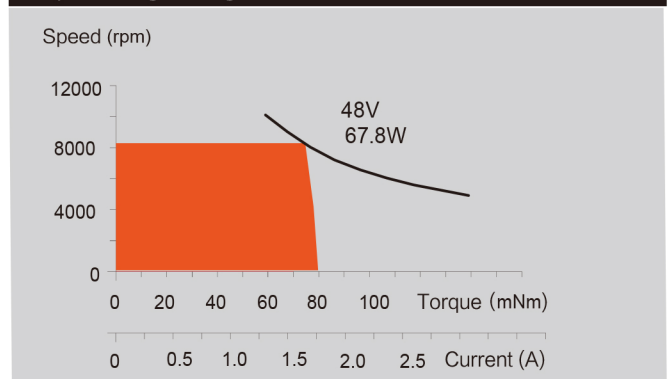
Motor Data

	Motor model				SBR3610248Z-02	
1	Nominal voltage	V	V		48	
2	No load speed	rpm	Wnl		8800	
3	No load current	mA	InI		<300	
4	Nominal speed	rpm	Wc		8100	
5	Nominal torque	mNm	Tc		80	
6	Nominal current	A	Ic		1.57	
7	Output power	W	Pc		67.8	
8	Stall torque	mNm	Tmax		818	
9	Stall current	A	Imax		16	
10	Max. efficiency	%	ηmax		86	
11	Terminal resistance	Ω	Rt		3	
12	Terminal inductance	L	mH		1.6	
13	Torque constant	mNm / A	Kt		51.5	
14	Speed constant	rpm / V	Kn		187	
15	Speed torque gradient	rpm / mNm	Δn / ΔT		8.86	

Specifications

1	ambient temperature	Ta	-20~+65 °C
2	max. winding temperature	Tcoilmax	+85 °C
3	max. speed	Nmax	9680rpm
4	axial play	Δt	0.05-0.15 mm
5	number of pole pairs	2p	1
6	number of commutator segments		3
7	weight of motor	Wt	434.1 g
8	Max. axial load (dynamic)		5N
9	Max. force for press fits (static)		98N
10	Max. radial load, 4 mm from flange		25N

Operating Range



Terminal definitions

Green	U	1	+5V	Magnet Encoder
Black	V	2	GND	3 Channel
Red	W	3	Channel A-	1000CPT
		4	Channel A+	
		5	Channel B-	
		6	Channel B+	
		7	Channel Z-	
		8	Channel Z+	
		9	Hall3	
		10	Hall2	
		11	Hall1	
Black(Brake)				
DC24V(Starting Voltage)/				
DC7V(Holding Voltage)				
Black(Brake)				
GND				