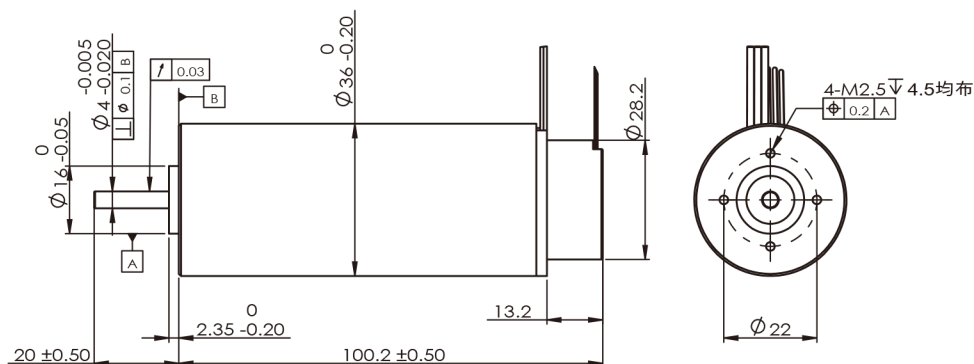




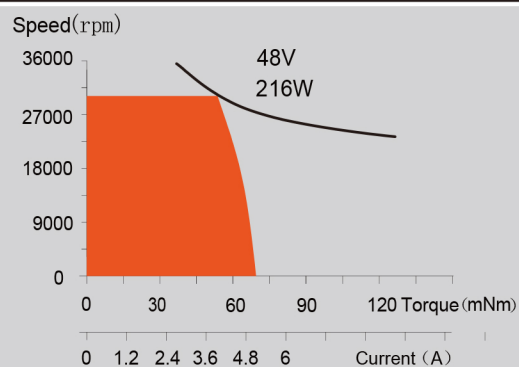
Motor Data

Motor model			SBRS3610048B			
1 Nominal voltage	V	V	48			
2 No load speed	rpm	Wnl	33000			
3 No load current	mA	InI	<500			
4 Nominal speed	rpm	Wc	30000			
5 Nominal torque	mNm	Tc	69			
6 Nominal current	A	Ic	5			
7 Output power	W	Pc	216			
8 Stall torque	mNm	Tmax	2077			
9 Stall current	A	Imax	150			
10 Max. efficiency	%	ηmax	89			
11 Terminal resistance	Ω	Rt	0.32			
12 Terminal inductance	L	mH	0.17			
13 Torque constant	mNm / A	Kt	13.85			
14 Speed constant	rpm / V	Kn	689.5			
15 Speed torque gradient	rpm / mNm	Δn / ΔT	43.5			

Specifications

1 ambient temperature	Ta	-20~+65 °C
2 max. winding temperature	Tcoilmax	+85 °C
3 max. speed	Nmax	33000 rpm
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	469 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 3 Channel 1000CPT
Black	V	2	GND	
Red	W	3	Channel A-	
		4	Channel A+	
		5	Channel B-	
		6	Channel B+	
		7	Channel Z-	
		8	Channel Z+	
		9	Hall3	
		10	Hall2	
		11	Hall1	