

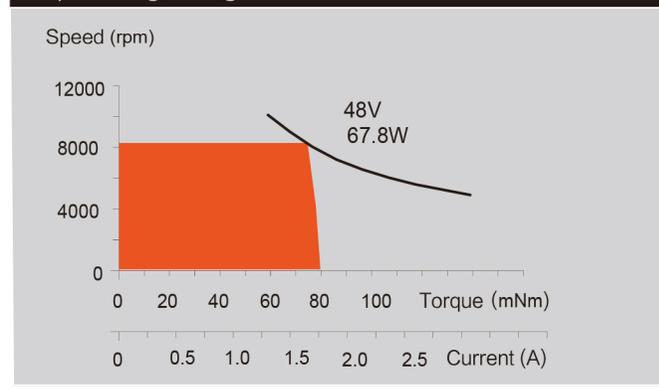
**Motor Data**

Motor model	SBR367848B-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	346 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**

