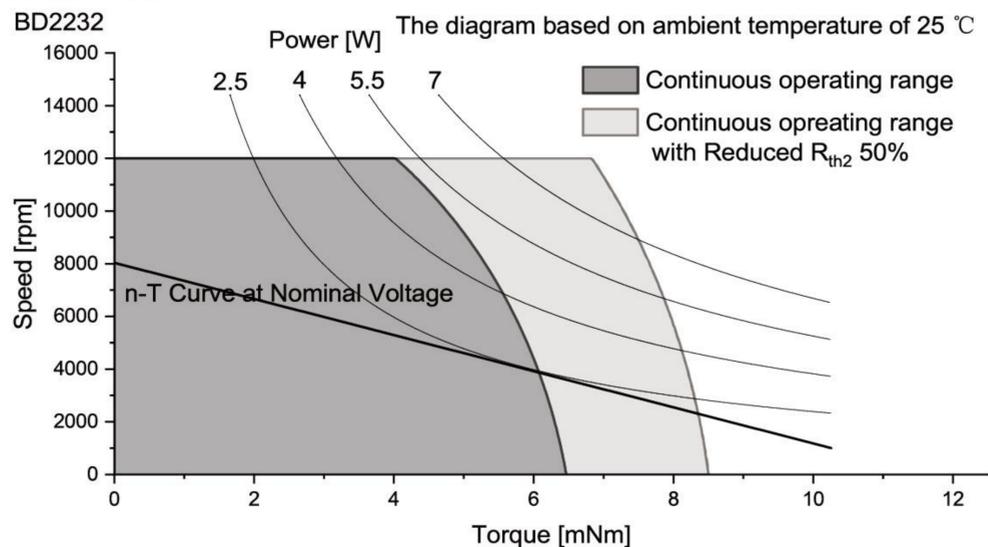


M 1:1

With hall sensor		BD2232S-...	0608	1208
Motor data				
Values at nominal voltage				
1	Nominal voltage	V	6	12
2	No load speed	rpm	8024	7882
3	No load current	mA	90	60
4	Nominal speed	rpm	5288	4998
5	Nominal torque	mNm	4	4
6	Nominal current	A	0.68	0.36
7	Stall torque	mNm	11.73	10.93
8	Stall current	A	1.82	0.87
9	Max. efficiency	%	60.5	54.3
10	Supply voltage +Vcc	V	10..28	10.28
11	Direction of rotation		CW	CW
12	Torque constant	mNm/A	6.79	13.53
13	Speed constant	rpm/V	1407	706
14	Speed/torque gradient	rpm/mNm	684	721
15	Mechanical time constant	ms	15.0	15.9
16	Rotor inertia	gcm ²	2.1	2.1

17	Thermal resistance housing-ambient	15.2 K/W
18	Thermal resistance winding-housing	6.0 K/W
19	Thermal time constant winding	11 s
20	Thermal time constant motor	383 s
21	Ambient temperature	-30...+100°C
22	Max. permissible winding temperature	+150°C
23	Max. permissible speed	12000 rpm
24	Axial play at axial load	<4 N 0 mm >4 N max. 0.3 mm
25	Radial play	preloaded
26	Max. axial load (dynamic)	3.5 N
27	Max. force for press fits (static)	44 N
	(static, shaft supported)	1200 N
28	Max. radial loading, 5mm from flange	15 N
29	Number of pole pairs	2
30	Number of phases	3
31	Weight of motor	34 g

Operating Range



Controller features	
Sensor, Open loop, $I_{max} < 1.5A$	
Overload protection, Stall protection	
Max. temperature of electronics	+105°C

Connection			
Conection		PVC	
Pin 1 +VCC		AWG28	red
Pin 2 GND		AWG28	black

Caution:
Incorrect lead connection will damage the controller!

Configuration	
Function:	On&Off/Direction/Speed control/Brake
	Speed closed&open-loop Control/Speed feedback
Performance:	Customized in the continuous operating range
Ball bearing:	Preload
Flange:	Standard frange front&back/customize the frange
Shaft:	Length/Diameter/Cut face
Leadwire:	PVC/Silicon/Teflon/UL No/Dimension/length
Connector:	JST/MOLEX/TE

More:
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