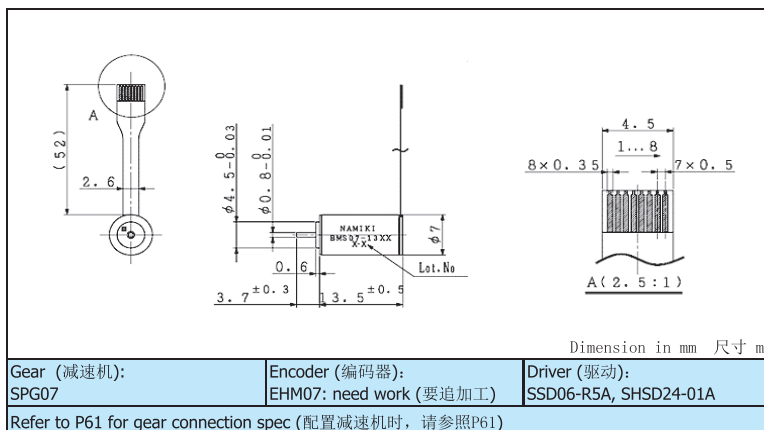


BMS07-13

With Hall sensors, Sleeve bearing 带霍尔传感器、套筒轴承



Specifications

	技术参数	BMS07-1307	BMS07-1318	
1 Nominal voltage	额定电压	3.0	5.0	V
2 No load speed	无负载转速	21300	22300	rpm
3 No load current	无负载电流	120	78	mA
4 Stall torque	堵转扭矩	0.30	0.30	mNm
5 Stall current	堵转电流	0.43	0.28	A
6 Output power	最大输出功率	0.2	0.2	W
7 Max efficiency	最大效率	22	22	%
8 Terminal resistance	端子间电阻	6.93	18.14	Ω
9 Rated torque	额定扭矩	0.06	0.06	mNm
10 Rated speed	额定转速	17100	17900	rpm
11 Rated current	额定电流	182	117	mA
12 Friction torque	摩擦扭矩	0.12	0.12	mNm
13 Back-EMF constant	反电动势常数	0.102	0.161	mV/rpm
14 Torque constant	扭矩常数	0.97	1.54	mNm/A
15 Slope of N-T curve	转速/扭矩斜率	70205	73297	rpm/mNm
16 Mechanical time constant	机械时间常数	7.34	7.66	ms
17 Rotor inertia	转子转动惯量	0.01	0.01	gcm ²
18 Max torque	最大允许扭矩	0.15	0.15	mNm

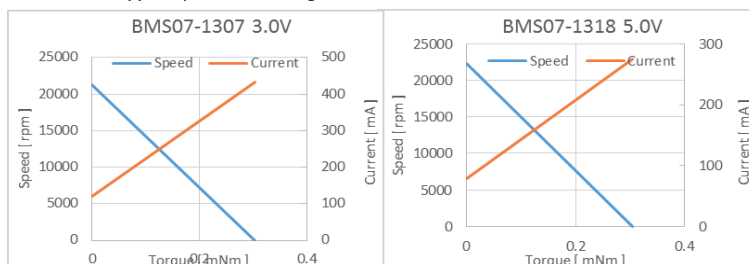
Mechanical data

	机械特性	
19 Shaft radial play 输出轴径向游隙	0.015	mm
20 Shaft axial play 输出轴轴向游隙	0.23	mm
21 Max shaft radial load 输出轴最大径向负载	0.27 (3.7 mm*)	N
22 Max shaft axial load 输出轴最大轴向负载	0.1	N
23 Max shaft axial load at standstill 静止状态下输出轴最大轴向负载	4.9	N
24 Operating temperature 运行温度范围	-20 ~ 80	°C
25 Max coil temperature 绕组最高温度	90	°C
26 Weight 重量	3.8	g

Electrical connections

	FPC 配置
#1	Hv Hall sensor output V 霍尔传感器输出 V
#2	Hu Hall sensor output U 霍尔传感器输出 U
#3	Gnd GND
#4	Vdd Input voltage 3.0V (1.6~5.5V) 输入电压
#5	Hw Hall sensor output W 霍尔传感器输出 W
#6	Lv Motor winding V 马达绕组 V
#7	Lw Motor winding W 马达绕组 W
#8	Lu Motor winding U 马达绕组 U

*measured at () mm point from flange.*尺寸从马达法兰面开始测量。Sensorless version available as option (可选择无传感器版本)



Specifications are subject to change without notice.

规格参数如有变更, 恕不另行通知。

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