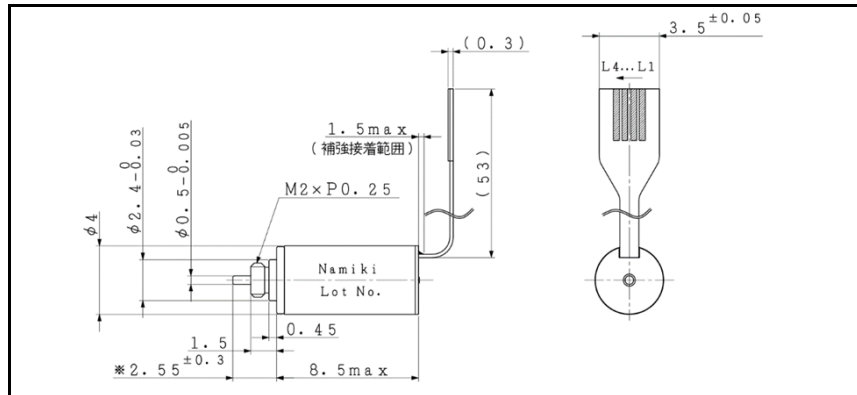
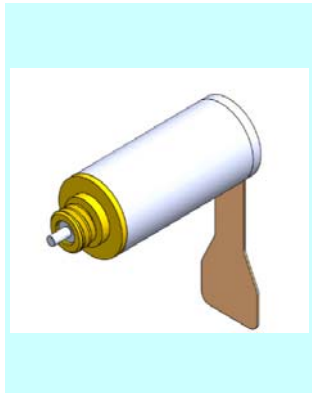


BMN 04-08 φ4 0.014 mNm Sensorless



For combination with gearhead: SPG04

Dimension in mm

Ordering number	BMN04-0829	
1 Nominal voltage	3.0	V
2 Rated torque	0.014	mNm
3 Rated speed	24200	rpm
4 Rated current	53	mA
5 No load speed	37000	rpm
6 No load current	28	mA
7 Stall torque	0.041	mNm
8 Stall current	0.10	A
9 Output power	0.04	W
10 Max. efficiency	22.4	%
11 Terminal resistance	29.7	Ω
12 Friction torque	0.02	mNm
13 Back-EMF constant	0.059	mV/rpm
14 Torque constant	0.56	mNm/A
15 Slope of N-T curve	905544	rpm/mNm
16 Mechanical time constant	9.15	ms
17 Rotor inertia	0.00087	gcm ²
18 Max. torque	0.02	mNm

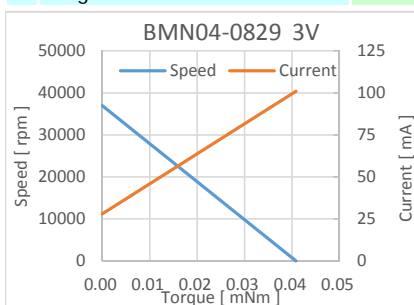
Mechanical data		
19 Shaft radial play	0.015	mm
20 Shaft axial play	0.23	mm
21 Max. shaft radial load	0.27 (3.7 mm)	N
22 Max. shaft axial load	0.1	N
23 Max. shaft axial load at standstill	5	N

Electrical connections		
#1	Lu	Motor winding U
#2	Lv	Motor winding V
#3	COM	-
#4	Lw	Motor winding W
Connector	CFP5506-0150F/SMK	

Environmental specifications		
24 Operating temperature	-20 ~ 80	°C
25 Max. coil temperature	90	°C

Other specifications		
26 Weight	1	g

*The characteristics are measured with our test driver.



V01