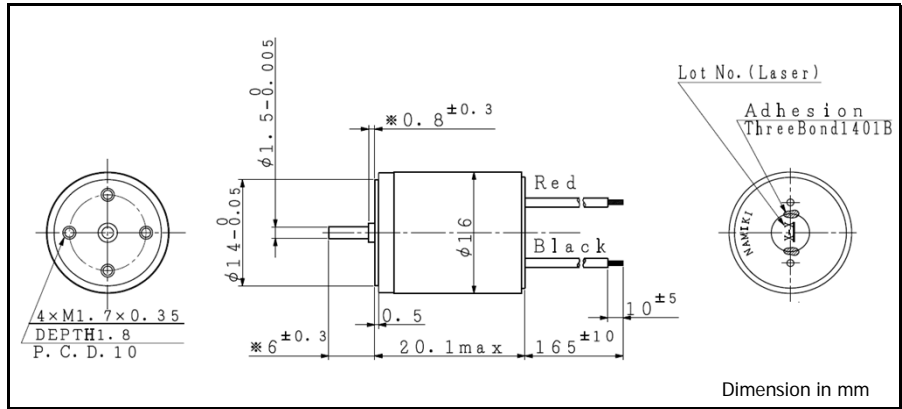


CMS 16-20 $\phi 16$, 0.75 mNm

Precious metal commutation, Sleeve bearing



For combination with gearhead: SSG15, SPG16

Ordering number	CMS16-2004	CMS16-2009	CMS16-2037	
1 Nominal voltage	7.4	12.0	24.0	V
2 Rated torque	0.748	0.788	0.742	mNm
3 Rated speed	12200	13700	14400	rpm
4 Rated current	154	112	55	mA
5 No load speed	13200	14800	15600	rpm
6 No load current	13	9	5	mA
7 Stall torque	9.67	10.64	9.54	mNm
8 Stall current	1.83	1.39	0.66	A
9 Output power	3.3	4.1	3.9	W
10 Max. efficiency	84	85	84	%
11 Terminal resistance	4.04	8.60	36.53	Ω
12 Friction torque	0.07	0.07	0.07	mNm
13 Back-EMF constant	0.557	0.804	1.531	mV/rpm
14 Torque constant	5.32	7.68	14.62	mNm/A
15 Slope of N-T curve	1365	1393	1632	rpm/mNm
16 Mechanical time constant	7.92	7.88	8.07	ms
17 Rotor inertia	0.55	0.54	0.47	gcm ²
18 Max. torque	4.83	5.32	4.77	mNm

Mechanical data

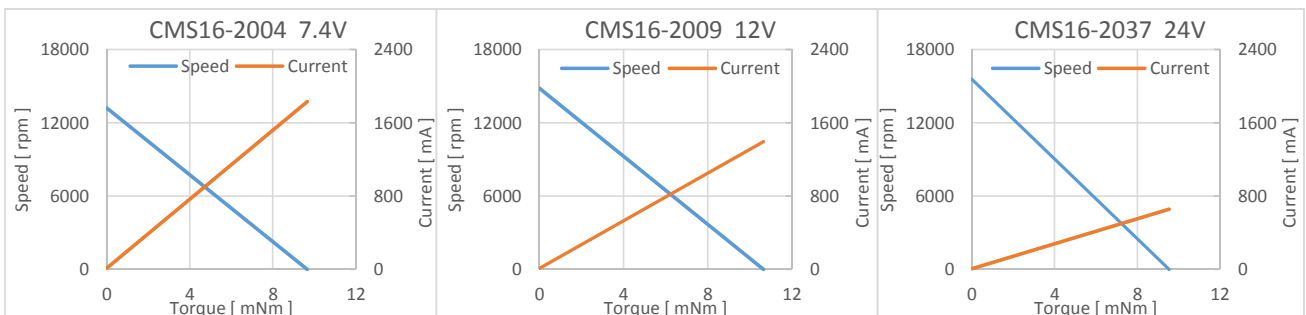
19 Shaft radial play	0.05	mm
20 Shaft axial play	0.03 ~ 0.2	mm
21 Max. shaft radial load	0.03 (5 mm)	N
22 Max. shaft axial load	0.1	N
23 Max. shaft axial load at standstill	4.9	N

Environmental specifications

24 Operating temperature	-20 ~ 60	°C
25 Max. coil temperature	80	°C

Other specifications

26 Weight	22.4	g
27 Number of segments	5	
28 Bearing type	Sintered sleeve	



V01

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Specifications are subject to change without notice.