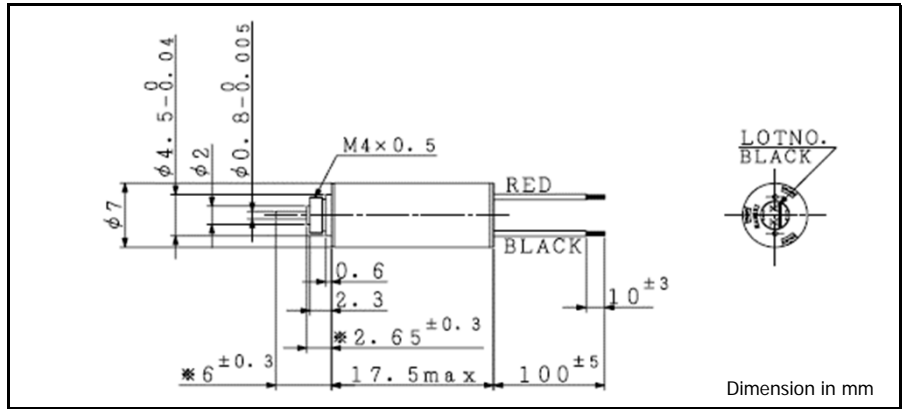


CMS 07-17 $\phi 7$, 0.14 mNm

Precious metal commutation, Sleeve bearing



For combination with gearhead: SPG07

Ordering number	CMS 07-1707	CMS 07-1725	
1 Nominal voltage	3.7	7.4	V
2 Rated torque	0.138	0.140	mNm
3 Rated speed	17100	18600	rpm
4 Rated current	101	56	mA
5 No load speed	20300	22000	rpm
6 No load current	19	10	mA
7 Stall torque	0.86	0.89	mNm
8 Stall current	0.53	0.30	A
9 Output power	0.5	0.5	W
10 Max. efficiency	66	66	%
11 Terminal resistance	6.92	24.79	W
12 Friction torque	0.03	0.03	mNm
13 Back-EMF constant	0.176	0.324	mV/rpm
14 Torque constant	1.68	3.10	mNm/A
15 Slope of N-T curve	23481	24669	rpm/mNm
16 Mechanical time constant	6.46	6.76	ms
17 Rotor inertia	0.03	0.03	gcm ²
18 Max. torque	0.43	0.45	mNm

Mechanical data

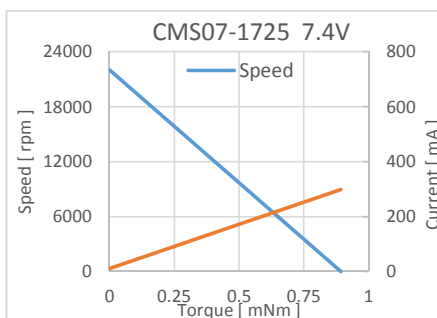
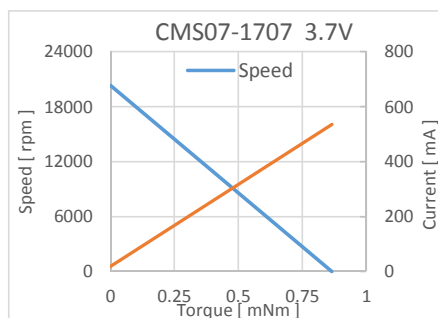
19 Shaft radial play	0.05	mm
20 Shaft axial play	0.03 ~ 0.2	mm
21 Max. shaft radial load	0.03 (5 mm)	N
22 Max. shaft axial load	0.1	N
23 Max. shaft axial load at standstill	4.9	N

Environmental specifications

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

Other specifications

26 Weight	3.5	g
27 Number of segments	5	
28 Bearing type	Sintered sleeve	



V01

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Specifications are subject to change without notice.