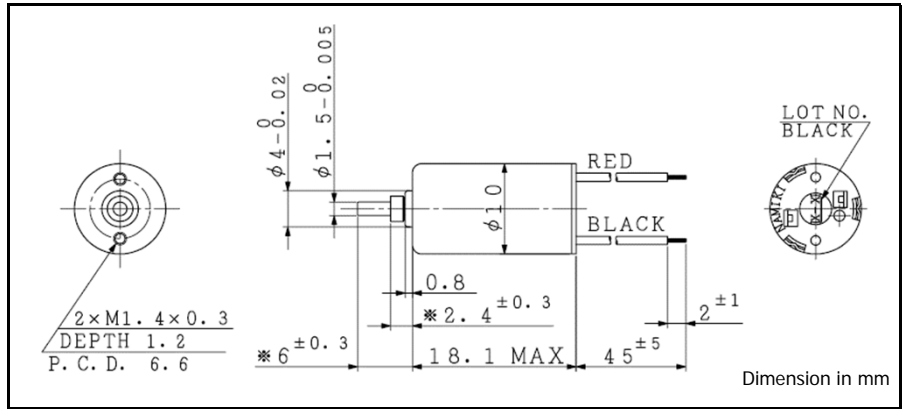


CMS 10-18 $\phi 10$, 0.27 mNm

Precious metal commutation, Sleeve bearing



For combination with gearhead: SSG10, SPG10

Ordering number	CMS10-1805	CMS10-1818	CMS10-1834	
1 Nominal voltage	3.7	7.4	12.0	V
2 Rated torque	0.271	0.273	0.293	mNm
3 Rated speed	10400	12500	15500	rpm
4 Rated current	116	70	56	mA
5 No load speed	12200	14600	18000	rpm
6 No load current	19	12	9	mA
7 Stall torque	1.89	1.91	2.16	mNm
8 Stall current	0.69	0.42	0.36	A
9 Output power	0.6	0.7	1.0	W
10 Max. efficiency	69	69	71	%
11 Terminal resistance	5.37	17.72	33.66	Ω
12 Friction torque	0.05	0.05	0.05	mNm
13 Back-EMF constant	0.295	0.492	0.651	mV/rpm
14 Torque constant	2.82	4.70	6.22	mNm/A
15 Slope of N-T curve	6444	7659	8316	rpm/mNm
16 Mechanical time constant	7.04	7.29	7.51	ms
17 Rotor inertia	0.10	0.09	0.09	gcm ²
18 Max. torque	0.94	0.95	1.08	mNm

Mechanical data

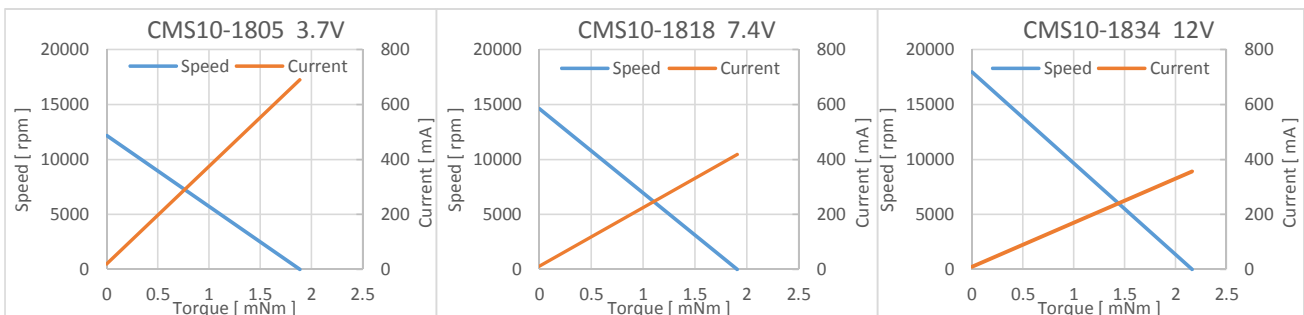
19 Shaft radial play	0.05	mm
20 Shaft axial play	0.03 ~ 0.2	mm
21 Max. shaft radial load	0.03 (5 mm)	N
22 Max. shaft axial load	0.1	N
23 Max. shaft axial load at standstill	4.9	N

Environmental specifications

24 Operating temperature	-20 ~ 60	$^{\circ}\text{C}$
25 Max. coil temperature	80	$^{\circ}\text{C}$

Other specifications

26 Weight	7.7	g
27 Number of segments	5	
28 Bearing type	Sintered sleeve	



V01

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Specifications are subject to change without notice.