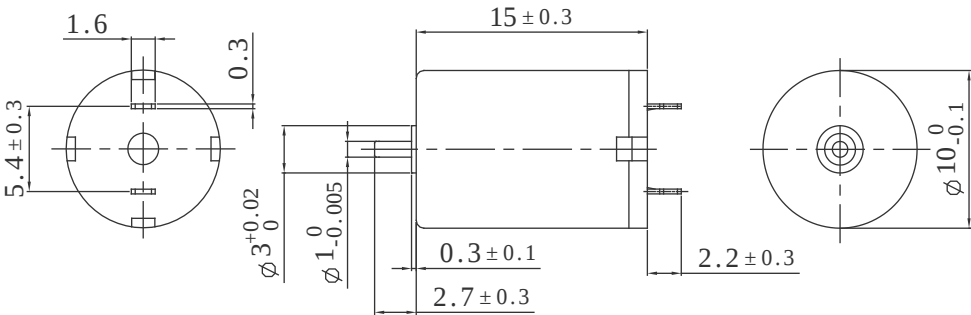




Motor specifications		12A	11A	01A	15A
1 (Nominal voltage)	V	3.7	6	7.4	12
2 (No load speed)	rpm	15530	17500	33110	38100
3 (No load current)	mA	50	40	70	50
4 (Nominal speed)	rpm	11725	13212	24832	28575
5 (Nominal torque)	mNm	0.42	0.52	0.92	1.35
6 (Nominal current)	A	0.22	0.19	0.48	0.49
7 (Stall torque)	mNm	1.7	2.1	3.7	5.4
8 (Stall current)	A	0.76	0.64	1.72	1.8
9 (Terminal resistance)	Ω	4.86	9.32	4.3	6.67
10 (Torque constant)	mNm/A	2.23	3.21	2.03	2.95
11 (Speed constant)	rpm/V	4197	2917	4474	3175
12 (Mechanical time constant)	ms	1.06	1.04	1.1	1.11
13 (Rotor inertia)	gcm ²	0.118	0.116	0.12	0.122

Optional gearbox

Optional encoder

Other specifications

(Operating temperature range)	-20...+80°C	(Bearing type)	(Sleeve bearings)
(Number of pole pairs)	1	(Brush type)	(Precious metal brushes)
(Number of commutator segments)	5	(Weight of motor)	4.76g