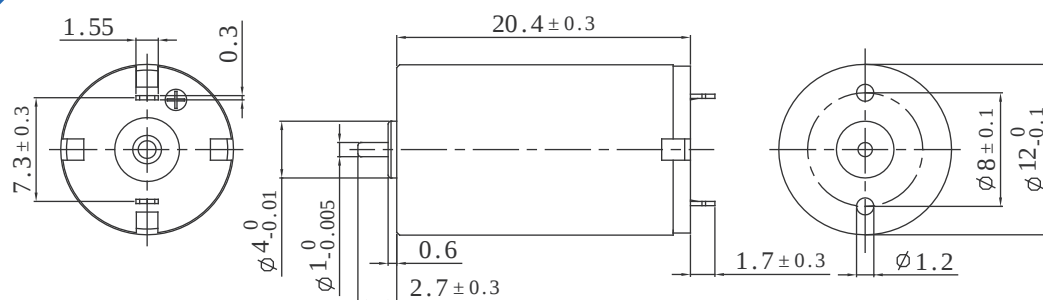




Motor specifications		43A	40A	46A	41A
1 (Nominal voltage)	V	3.3	6.0	7.4	12.0
2 (No load speed)	rpm	14700	25830	29000	25000
3 (No load current)	mA	42	45	40	40
4 (Nominal speed)	rpm	11061	23634	26535	22875
5 (Nominal torque)	mNm	1.18	0.64	0.78	1.07
6 (Nominal current)	A	0.58	0.33	0.35	0.27
7 (Stall torque)	mNm	4.7	7.5	9.2	12.6
8 (Stall current)	A	2.21	3.37	3.76	2.76
9 (Terminal resistance)	Ω	1.49	1.78	1.97	4.35
10 (Torque constant)	mNm/A	2.1	2.17	2.39	4.49
11 (Speed constant)	rpm/V	4454	4305	3918	2083
12 (Mechanical time constant)	ms	7.8	8.8	8.1	5.1
13 (Rotor inertia)	gcm ²	0.253	0.251	0.255	0.258

Optional gearbox

G12MF	见Page 90
G12XL	见Page 91

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)	9.69g