

PRECISION GEARMOTOR

GB10**R

Planetary Gearbox Series

Applications: Precision control fields like medical instrument, industrial control and so on.
 Operating temperature range: -10~+80°C

Motor Characteristics

			1016RCN51-90-12.0
1	Voltage	V	7.5
2	Terminal resistance	Ω	56.0
3	No-load speed	rpm	10900
4	No-load current	mA	7
5	Stall torque	mNm	0.8
6	Stall current	mA	134
7	Nominal torque	mNm	0.40
8	Nominal speed	rpm	5384
9	Nominal current	mA	71
10	Max. output power	W	0.23
11	Max. efficiency	%	60
12	Back-EMF constant	mV/rpm	0.65
13	Torque constant	mNm/A	6.23
14	Speed/torque gradient	rpm/mNm	13790
15	Rotor inertia	gcm ²	0.2
16	Weight	g	5

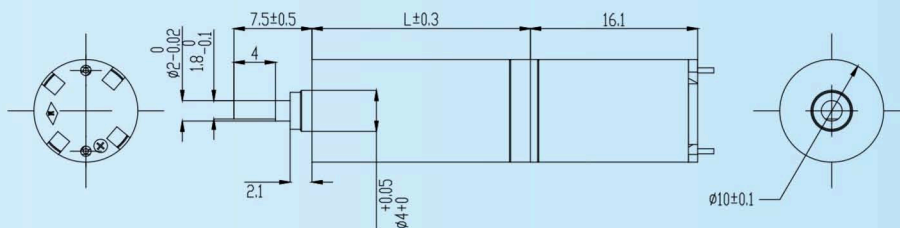
Gearbox Characteristics

	Reduction ratio	Max. rated tuorque	Max. momentary torque	Length (L)
		mNm	mNm	mm
1	4	5	15	11.7
2	16	10	30	14.8
3	64	30	90	17.9
4	256	40	120	21
5	1024	50	150	24.1
6	4096	60	180	27.2

Outline Drawing

Other Options

UNIT:mm



- Lead wires length
- Shaft length
- Special coils
- Encoder