

## PRECISION GEARMOTOR

### GA12\*\*R

#### Spur Gearbox Series

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

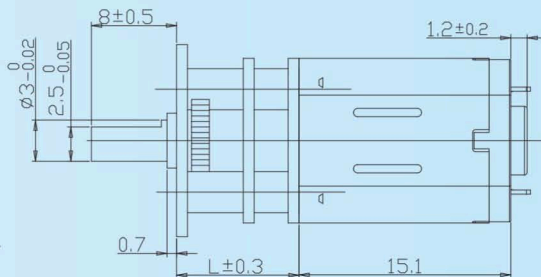
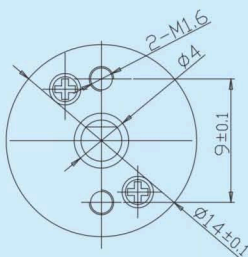
#### Motor Characteristics

			1215F33-06460J-18.3	1215FE-362-1.5
1	Voltage	V	6.0	1.5
2	Terminal resistance	$\Omega$	40.0	1.2
3	No-load speed	rpm	8300	11800
4	No-load current	mA	25	100
5	Stall torque	mNm	0.72	1.28
6	Stall current	mA	150	1250
7	Nominal torque	mNm	0.35	0.60
8	Nominal speed	rpm	4260	6287
9	Nominal current	mA	86	637
10	Max. output power	W	0.16	0.40
11	Max. efficiency	%	35	51
12	Back-EMF constant	mV/rpm	0.60	0.12
13	Torque constant	mNm/A	5.75	1.12
14	Speed/torque gradient	rpm/mNm	11543	9188
15	Rotor inertia	gcm <sup>2</sup>	0.3	0.3
16	Weight	g	5.4	5.4

#### Gearbox Characteristics

	Reduction ratio	Max. rated tuorque mNm	Max. momentary torque mNm	Length (L) mm
1	3, 5, 10	20	60	9
2	17, 20, 30, 36	30	90	9
3	50, 63	40	120	9
4	100, 150, 210	50	150	9
5	250, 298	70	200	9
6	380, 625, 1000	80	250	11

#### Outline Drawing



UNIT:mm

#### Other Options

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