

# GA15\*\*R

## Spur Gearbox Series

Applications: Precision control fields like medical instrument, industrial control and so on.

Operating temperature range: -10~+80°C

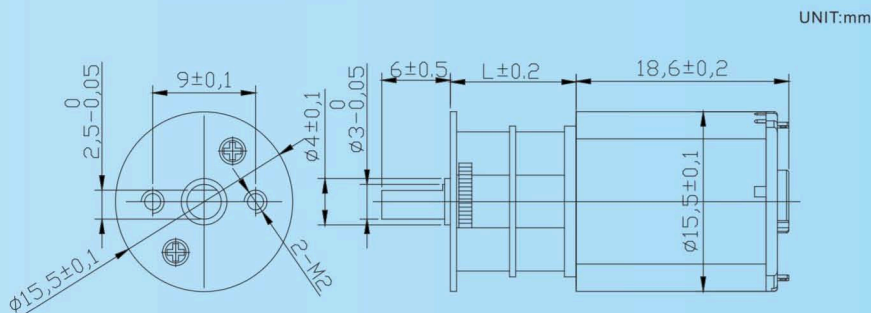
### Motor Characteristics

			1620F13A-11135-22.7	1620F13A-08180
1	Voltage	V	3.0	6.0
2	Terminal resistance	Ω	4.3	10.3
3	No-load speed	rpm	8270	11700
4	No-load current	mA	145	51
5	Stall torque	mNm	1.52	2.38
6	Stall current	mA	698	583
7	Nominal torque	mNm	0.70	2.10
8	Nominal speed	rpm	4453	1355
9	Nominal current	mA	400	521
10	Max. output power	W	0.33	0.73
11	Max. efficiency	%	30	50
12	Back-EMF constant	mV/rpm	0.29	0.47
13	Torque constant	mNm/A	2.74	4.47
14	Speed/torque gradient	rpm/mNm	5453	4926
15	Rotor inertia	gcm <sup>2</sup>	0.5	0.5
16	Weight	g	11	11

### Gearbox Characteristics

	Reduction ratio	Max. rated tuorque mNm	Max. momentary torque mNm	Length (L) mm
1	3, 7, 10	20	60	11
2	16, 17, 20, 30, 35	30	90	11
3	50, 63	40	120	11
4	70, 86	50	150	11
5	115, 150	60	180	11
6	210, 250	70	200	11
7	360	80	220	11

### Outline Drawing



### Other Options

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