

1653N5M

Precious metal commutation

Applications: Precision control fields like medical instrument, industrial robot and so on.
 Operating temperature range: -20~+85°C

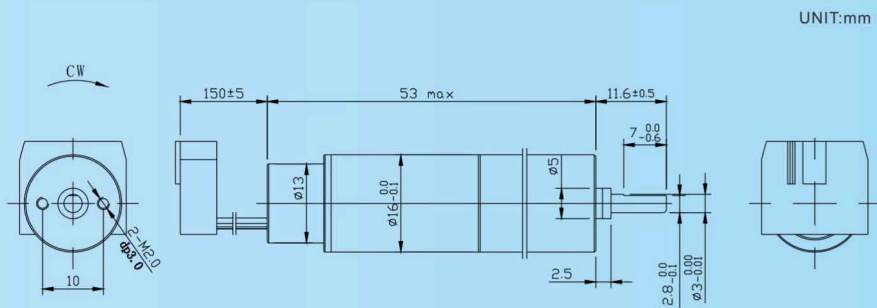
Motor Characteristics

			1620N5M-88-6.0
1	Voltage	V	6.0
2	Terminal resistance	Ω	7.1
3	No-load speed	rpm	8800
4	No-load current	mA	20
5	Stall torque	mNm	5.37
6	Stall current	mA	845
7	Nominal torque	mNm	2.0
8	Nominal speed	rpm	5400
9	Nominal current	mA	350
10	Max. output power	W	1.24
11	Max. efficiency	%	73
12	Back-EMF constant	mV/rpm	0.67
13	Torque constant	mNm/A	6.36
14	Speed/torque gradient	rpm/mNm	1638
15	Rotor inertia	gcm ²	0.6
16	Weight	g	16.9

Encoder Characteristics

		2	3
1	Number of channels		
2	Counts per turn	cpt	16, 32, 64
3	Supply voltage	V	5.0 (5.0)
4	Max. speed	rpm	30000
5	Phase shift	°e	90±45
6	Output signal		TTL
7	Diameter	mm	13
8	Length	mm	8.5

Outline Drawing



UNIT:mm

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Encoder channels
- Encoder counts per turn
- Bearing type

1653N5M-88-6.0-EM520064-16G157-001