

PRECISION SERVO MOTOR

1654N5C

Graphite Brush

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

Operating temperature range: -20~+85°C

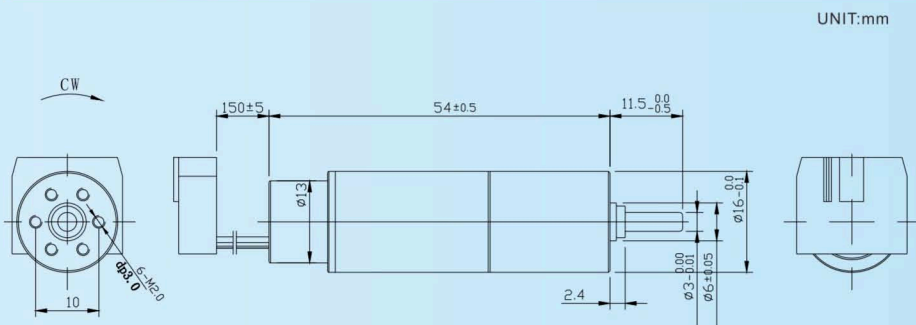
Motor Characteristics

			1625N5C-150-12.0
1	Voltage	V	12.0
2	Terminal resistance	Ω	13.0
3	No-load speed	rpm	15000
4	No-load current	mA	25
5	Stall torque	mNm	6.86
6	Stall current	mA	923
7	Nominal torque	mNm	3.2
8	Nominal speed	rpm	7800
9	Nominal current	mA	455
10	Max. output power	W	2.70
11	Max. efficiency	%	72
12	Back-EMF constant	mV/rpm	0.78
13	Torque constant	mNm/A	7.43
14	Speed/torque gradient	rpm/mNm	2186
15	Rotor inertia	gcm ²	0.8
16	Weight	g	18.2

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



1654N5C-155-12.0-EM520016-16G19-001

Options

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

UNIT:mm