

PRECISION SERVO MOTOR

1043N5M

Precious metal commutation

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

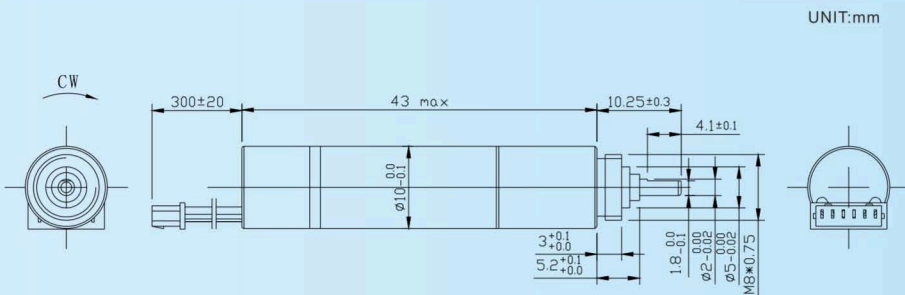
Motor Characteristics

			1025N5M-115-12.0
1	Voltage	V	12.0
2	Terminal resistance	Ω	28.0
3	No-load speed	rpm	11500
4	No-load current	mA	10
5	Stall torque	mNm	4.17
6	Stall current	mA	429
7	Nominal torque	mNm	1.0
8	Nominal speed	rpm	8100
9	Nominal current	mA	140
10	Max. output power	W	1.26
11	Max. efficiency	%	74
12	Back-EMF constant	mV/rpm	1.02
13	Torque constant	mNm/A	9.73
14	Speed/torque gradient	rpm/mNm	2757
15	Rotor inertia	gcm ²	0.09
16	Weight	g	8

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	10
8	Length	mm	8.5

Outline Drawing



UNIT:mm

Options

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

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