

1635ZWWN

Inner Rotor Without Sensor

Applications: Precision driving field in medical equipment, industrial automation, etc.

Characteristics

		-1-12.0	
1	Voltage	V	12
2	Terminal resistance	Ω	0.35
3	No-load speed	rpm	45000
4	No-load current	A	0.35
5	Nominal torque	mNm	2.6
6	Nominal speed	rpm	43500
7	Nominal current	A	1.4
8	Max. output power	W	100
9	Max. efficiency	%	81
10	Back-EMF constant	mV/rpm	0.26
11	Torque constant	mNm/A	2.5
12	KV Value	rpm/V	3750
13	Speed/torque gradient	rpm/mNm	530
14	Rotor inertia	gcm ²	1.5
15	Weight	g	40
16	Thermal resistance housing-ambient	K/W	17
17	Thermal resistance winding-housing	K/W	21
18	Thermal time constant motor	s	250
19	Thermal time constant winding	s	6
20	Operating temperature range	°C	-40~+100
21	Max. winding temperature	°C	155
22	Axial play	mm	0.012
23	Radial play	mm	0.008
24	Axial load dynamic	N	1.5
25	Axial load static	N	37
26	Radial load at 3 mm from mounting face	N	12
27	No. of pole pairs		1
28	Bearings		2 ball bearings
29	Commutation		Sensorless
30	Protection class		IP 20

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type
- Hall sensor
- Encoder
- Driver

Outline Drawing

