

1329ZWWN

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	7.5
3	No-load speed	rpm	25000
4	No-load current	A	0.1
5	Nominal torque	mNm	2.6
6	Nominal speed	rpm	14800
7	Nominal current	A	0.72
8	Max. output power	W	4.2
9	Max. efficiency	%	56.0
10	Back-EMF constant	mV/rpm	0.45
11	Torque constant	mNm/A	4.3
12	KV Value	rpm/V	2100
13	Speed/torque gradient	rpm/mNm	3900
14	Rotor inertia	gcm ²	0.18
15	Weight	g	15
16	Thermal resistance housing-ambient	K/W	1.5
17	Thermal resistance winding-housing	K/W	22
18	Thermal time constant motor	s	250
19	Thermal time constant winding	s	2
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 30

Options

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

Outline Drawing

