

2950ZWN

Inner Rotor With Sensor

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

Characteristics

			-1-28.0
1	Voltage	V	28
2	Terminal resistance	Ω	1.16
3	No-load speed	rpm	15500
4	No-load current	A	0.45
5	Stall torque	mNm	400
6	Stall current	A	24
7	Nominal torque	mNm	40
8	Nominal speed	rpm	14000
9	Nominal current	A	2.8
10	Max. output power	W	59
11	Max. efficiency	%	74
12	Back-EMF constant	mV/rpm	1.8
13	Torque constant	mNm/A	16.9
14	KV Value	rpm/V	550
15	Speed/torque gradient	rpm/mNm	38
16	Rotor inertia	gcm ²	5
17	Weight	g	140
18	Thermal resistance housing-ambient	K/W	4
19	Thermal resistance winding-housing	K/W	4.8
20	Thermal time constant motor	s	1400
21	Thermal time constant winding	s	20
22	Operating temperature range	°C	-40~+100
23	Max. winding temperature	°C	155
24	Axial play	mm	0.012
25	Radial play	mm	0.008
26	Axial load dynamic	N	5
27	Axial load static	N	80
28	Radial load at 3 mm from mounting face	N	29
29	No. of pole pairs		2
30	Bearings		2 ball bearings
31	Commutation		Hall Sensor
32	Protection class		IP 20

Options

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

Outline Drawing

