

2050ZWN

Inner Rotor With Sensor

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

Characteristics

		-6-12.0	
1	Voltage	V	12
2	Terminal resistance	Ω	6.3
3	No-load speed	rpm	5000
4	No-load current	A	0.09
5	Stall torque	mNm	39
6	Stall current	A	1.9
7	Nominal torque	mNm	25.8
8	Nominal speed	rpm	1700
9	Nominal current	A	1.3
10	Max. output power	W	5.2
11	Max. efficiency	%	62
12	Back-EMF constant	mV/rpm	2.25
13	Torque constant	mNm/A	21.5
14	KV Value	rpm/V	425
15	Speed/torque gradient	rpm/mNm	130
16	Rotor inertia	gcm ²	2.3
17	Weight	g	75
18	Thermal resistance housing-ambient	K/W	8.6
19	Thermal resistance winding-housing	K/W	9.2
20	Thermal time constant motor	s	620
21	Thermal time constant winding	s	4
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		1
30	Bearings		2 ball bearings
31	Commutation		Hall Sensor
32	Protection class		IP 30

Options

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

Outline Drawing

