

PRECISION DC CORELESS MOTOR

1630RCG

Graphite Brush

Applications: Precision driving field in medical, health care, automobile, industrial automation, etc.

Characteristics

			-1SP-24.0
1	Voltage	V	24.0
2	Terminal resistance	Ω	42.5
3	No-load speed	rpm	9500
4	No-load current	mA	15
5	Stall torque	mNm	13.3
6	Stall current	mA	565
7	Nominal torque	mNm	5.4
8	Nominal speed	rpm	5460
9	Nominal current	mA	250
10	Max. output power	W	3.3
11	Max. efficiency	%	72
12	Back-EMF constant	mV/rpm	2.5
13	Torque constant	mNm/A	23.5
14	Speed/torque gradient	rpm/mNm	720
15	Rotor inertia	gcm ²	0.95
16	Weight	g	22.5
17	Thermal resistance housing-ambient	K/W	28.5
18	Thermal resistance winding-housing	K/W	16
19	Thermal time constant motor	s	180
20	Thermal time constant winding	s	12
21	Operating temperature range	°C	-20~+85
22	Max. winding temperature	°C	85
23	Axial play	mm	0.02~0.15
24	Radial play	mm	0.012
25	Axial load dynamic	N	0.8
26	Axial load static	N	30
27	Radial load at 3 mm from mounting face	N	1.5
28	No. of pole pairs		1
29	Bearings		2 sleeve bearings
30	Commutator		metal 5 segments
31	Protection class		IP 30

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type

Outline Drawing

