

PRECISION DC CORELESS MOTOR

3257RCG

Graphite Brush

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

Characteristics

			-2-24.0
1	Voltage	V	24.0
2	Terminal resistance	Ω	2.2
3	No-load speed	rpm	5900
4	No-load current	mA	130
5	Stall torque	mNm	422.2
6	Stall current	mA	11000
7	Nominal torque	mNm	56.5
8	Nominal speed	rpm	5100
9	Nominal current	mA	1585
10	Max. output power	W	65
11	Max. efficiency	%	80
12	Back-EMF constant	mV/rpm	4.0
13	Torque constant	mNm/A	38.4
14	Speed/torque gradient	rpm/mNm	14.0
15	Rotor inertia	gcm ²	42
16	Weight	g	230
17	Thermal resistance housing-ambient	K/W	8
18	Thermal resistance winding-housing	K/W	3.3
19	Thermal time constant motor	s	230
20	Thermal time constant winding	s	5.9
21	Operating temperature range	°C	-20~+100
22	Max. winding temperature	°C	120
23	Axial play	mm	0.02~0.15
24	Radial play	mm	0.025
25	Axial load dynamic	N	5.6
26	Axial load static	N	110
27	Radial load at 3 mm from mounting face	N	30
28	No. of pole pairs		1
29	Bearings		2 ball bearings
30	Commutator		metal 9 segments
31	Protection class		IP 20

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Encoder

Outline Drawing

