

# PRECISION DC CORELESS MOTOR

## 2233RCG

### Graphite Brush

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

#### Characteristics

		-1S-24.0	
1	Voltage	V	24.0
2	Terminal resistance	$\Omega$	19.6
3	No-load speed	rpm	7600
4	No-load current	mA	20
5	Stall torque	mNm	35.6
6	Stall current	mA	1200
7	Nominal torque	mNm	12.3
8	Nominal speed	rpm	4970
9	Nominal current	mA	440
10	Max. output power	W	7.1
11	Max. efficiency	%	77
12	Back-EMF constant	mV/rpm	3.1
13	Torque constant	mNm/A	29.7
14	Speed/torque gradient	rpm/mNm	210
15	Rotor inertia	gcm <sup>2</sup>	2.5
16	Weight	g	52
17	Thermal resistance housing-ambient	K/W	21
18	Thermal resistance winding-housing	K/W	11.2
19	Thermal time constant motor	s	240
20	Thermal time constant winding	s	10
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	1
26	Axial load static	N	80
27	Radial load at 3 mm from mounting face	N	3
28	No. of pole pairs		1
29	Bearings		2 ball bearings
30	Commutator		metal 5 segments
31	Protection class		IP 30

#### Options

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

#### Outline Drawing

