

1416RCN

Precious metal commutation

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

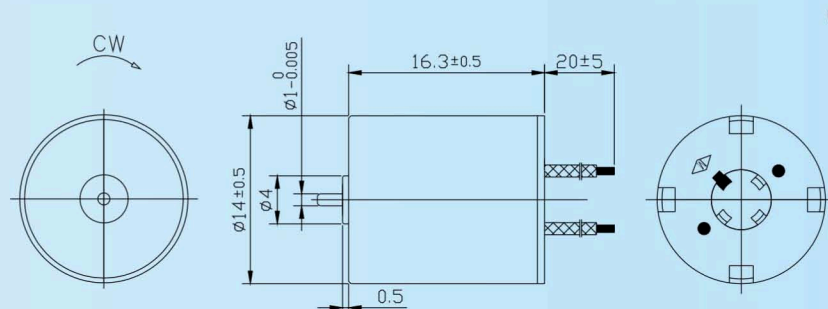
Characteristics

			-2P-3.0
1	Voltage	V	3.0
2	Terminal resistance	Ω	2.6
3	No-load speed	rpm	11600
4	No-load current	mA	20
5	Stall torque	mNm	2.8
6	Stall current	mA	1150
7	Nominal torque	mNm	0.5
8	Nominal speed	rpm	9680
9	Nominal current	mA	210
10	Max. output power	W	0.85
11	Max. efficiency	%	77
12	Back-EMF constant	mV/rpm	0.3
13	Torque constant	mNm/A	2.4
14	Speed/torque gradient	rpm/mNm	4160
15	Rotor inertia	gcm ²	0.19
16	Weight	g	10.2
17	Thermal resistance housing-ambient	K/W	32.5
18	Thermal resistance winding-housing	K/W	26.5
19	Thermal time constant motor	s	101
20	Thermal time constant winding	s	16
21	Operating temperature range	°C	-20~+85
22	Max. winding temperature	°C	85
23	Axial play	mm	≤ 0.3
24	Radial play	mm	0.012
25	Axial load dynamic	N	0.15
26	Axial load static	N	15
27	Radial load at 3 mm from mounting face	N	0.4
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

Outline Drawing



UNIT:mm