

PRECISION DC CORELESS MOTOR

2233RCN

Precious metal commutation

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

Characteristics

			-1-3.0	
1	Voltage	V	3.0	
2	Terminal resistance	Ω	0.5	
3	No-load speed	rpm	9000	
4	No-load current	mA	35	
5	Stall torque	mNm	21.2	
6	Stall current	mA	6700	
7	Nominal torque	mNm	1.5	
8	Nominal speed	rpm	8250	
9	Nominal current	mA	500	
10	Max. output power	W	5.0	
11	Max. efficiency	%	87	
12	Back-EMF constant	mV/rpm	0.3	
13	Torque constant	mNm/A	3.2	
14	Speed/torque gradient	rpm/mNm	420	
15	Rotor inertia	gcm ²	2.2	
16	Weight	g	55	
17	Thermal resistance housing-ambient	K/W	21	
18	Thermal resistance winding-housing	K/W	11.2	
19	Thermal time constant motor	s	260	
20	Thermal time constant winding	s	14	
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	0.025	
25	Axial load dynamic	N	3.3	
26	Axial load static	N	60	
27	Radial load at 3 mm from mounting face	N	14	
28	No. of pole pairs		1	
29	Bearings		2 ball bearings	
30	Commutator		metal 5 segments	
31	Protection class		IP 40	

Options

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

Outline Drawing

