Constar

PRECISION DC CORELESS MOTOR

0615RCN

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	19.0
3	No-load speed	rpm	12200
4	No-load current	mA	10
5	Stall torque	mNm	0.41
6	Stall current	mA	160
7	Nominal torque	mNm	0.1
8	Nominal speed	rpm	8150
9	Nominal current	mA	60
10	Max. output power	W	0.25
11	Max. efficiency	%	60
12	Back-EMF constant	mV/rpm	0.1
13	Torque constant	mNm/A	1.1
14	Speed/torque gradient	rpm/mNm	29900
15	Rotor inertia	gcm^2	0.015
16	Weight	g	2.5
17	Thermal resistance housing-ambient	K/W	77
18	Thermal resistance winding-housing	K/W	16.5
19	Thermal time constant motor	s	52
20	Thermal time constant winding	s	15
21	Operating temperature range	℃	-20 ~ +85
22	Max. winding temperature	℃	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	10
27	Radial load at 3 mm from mounting face	N	0.7
28	No. of pole pairs		1
29	Bearings		2 sleeve bearings
30	Commutator		metal 5 segments
31	Protection class		IP 40

Options

Lead wires length
Shaft length
Special coils
Gearheads

Outline Drawing

UNIT:mm