

PRECISION DC CORELESS MOTOR

2225RCN

Precious metal commutation

Applications: Nail gun

Characteristics

			-1P-7.2
1	Voltage	V	7.2
2	Terminal resistance	Ω	1.9
3	No-load speed	rpm	16100
4	No-load current	mA	130
5	Stall torque	mNm	15.7
6	Stall current	mA	3800
7	Nominal torque	mNm	2.5
8	Nominal speed	rpm	13500
9	Nominal current	mA	730
10	Max. output power	W	6.6
11	Max. efficiency	%	69
12	Back-EMF constant	mV/rpm	0.4
13	Torque constant	mNm/A	4.1
14	Speed/torque gradient	rpm/mNm	1027
15	Rotor inertia	gcm ²	2.3
16	Weight	g	42.5
17	Thermal resistance housing-ambient	K/W	16.4
18	Thermal resistance winding-housing	K/W	8.9
19	Thermal time constant motor	s	258
20	Thermal time constant winding	s	15
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	0.012
25	Axial load dynamic	N	2
26	Axial load static	N	150
27	Radial load at 3 mm from mounting face	N	4
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

Outline Drawing

