



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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### Ø 27.5 mm 3.2 Watts 3.2 W Part number 82720001



- Long service life
- Resistant to prolonged jamming
- Class A EMC interference suppression
- Compatible with 6 V, 9 V or 12 V battery power supply
- Optional class B interference suppression
- Optional encoder

#### Part numbers

	Type	Type	Voltage	References
82720001	3.2 W	827200	12 V	Without option

#### Specifications

##### No-load characteristics

Speed of rotation (rpm)	4785
Absorbed power (W)	1,2
Absorbed current (A)	0,098

##### Nominal characteristics

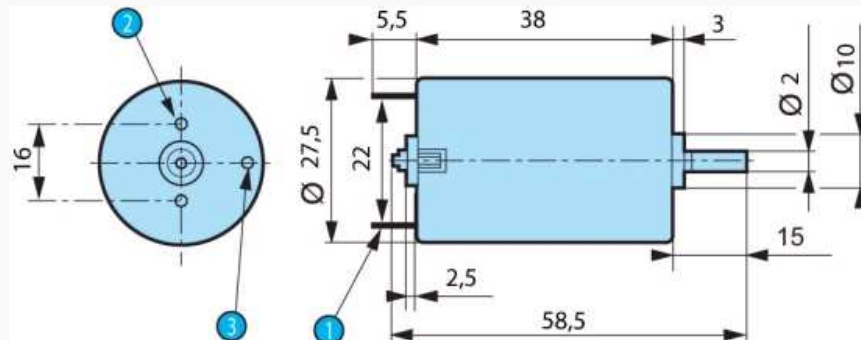
Speed (rpm)	3500
Torque (mNm)	7
Usable power (W)	2,6
Absorbed power (W)	5,0
Absorbed current (A)	0,42
Gearbox case temperature rise (°C)	25
Efficiency (%)	51

##### General characteristics

Conformity to standard EN 55022 (radiated EMC)	Class A
Temperature rise conf. to EN 60950	•
Coil wire insulation class	H
Protection rating	IP 30
Max. output power (W)	3,20
Start torque (mNm)	26
Starting current (A)	1,3
Resistance (Ω)	9
Inductance (mH)	13
Torque constant (Nm/A)	0,022
Electrical time constant (ms)	1,4
Mechanical time constant (ms)	16,5
Thermal time constant (mn)	6,3
Inertia (g.cm <sup>2</sup> )	9
Weight (g)	70
Number of segments	5
Service life (h)	4000
Sintered bronze bearings	•

#### Dimensions (mm)

82720001 - 82720002

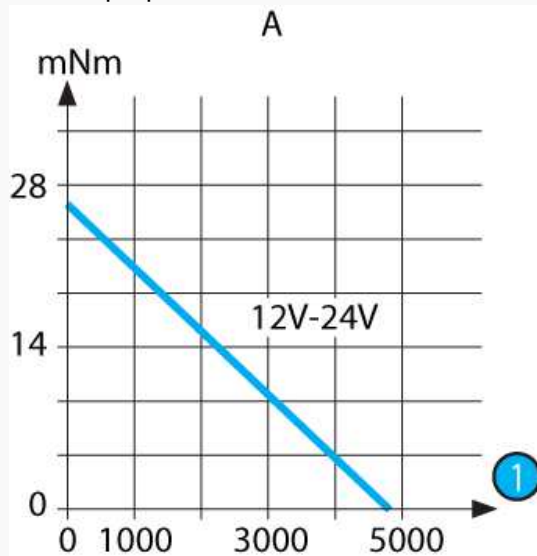


N°	Legend
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①	2 solder tags 2.8 x 0.5 mm
②	2 holes M2.6 screw depth max. 3 mm
④	Hole $\varnothing$ 2.38 mm

## Curves

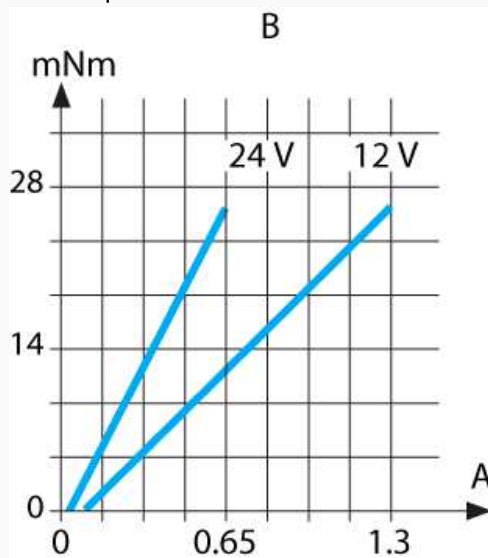
Curve : torque/speed 827200



N°	Legend
①	rpm

## Curves

Curve : torque/current 827200



## Product adaptations



- Encoder with different number of pulses per revolution
- Push-fit pinion
- Additional connectors