



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Ø 24.4 mm 1.4 Watts 1.4 W Part number 82710001



- 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
82710001	1.4 W	827100	12 V	Without option

Specifications

No-load characteristics

Speed of rotation (rpm)	4490
Absorbed power (W)	0,36
Absorbed current (A)	0,03

Nominal characteristics

Speed (rpm)	3365
Torque (mNm)	3
Usable power (W)	1,06
Absorbed power (W)	1,80
Absorbed current (A)	0,15
Gearbox case temperature rise (°C)	10
Efficiency (%)	59

General characteristics

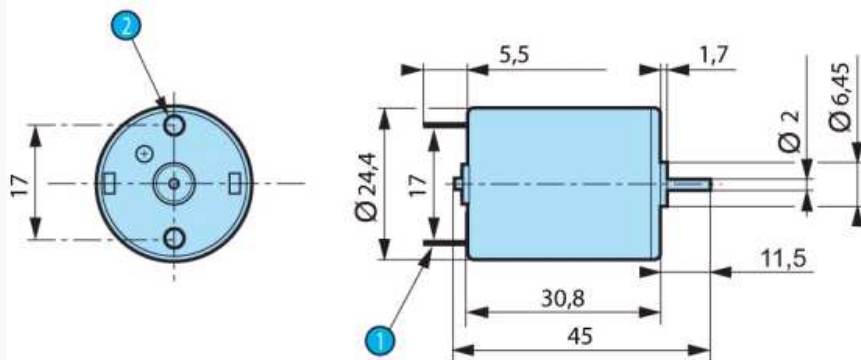
Conformity to standard EN 55022 (radiated EMC)	Class A
Temperature rise conf. to EN 60950	■
Coil wire insulation class	H
Protection rating	IP 30
Max. output power (W)	1,40
Start torque (mNm)	12
Starting current (A)	0,51
Resistance (Ω)	24
Inductance (mH)	33
Torque constant (Nm/A)	0,023
Electrical time constant (ms)	1,4
Mechanical time constant (ms)	32
Thermal time constant (mn)	5
Inertia (g.cm ²)	7
Weight (g)	50
Number of segments	3
Service life (h)	4000
Sintered bronze bearings	■

Made to order products, available on request

- 1, 5 or 12 pulse encoder
- characteristics as per specification

Dimensions (mm)

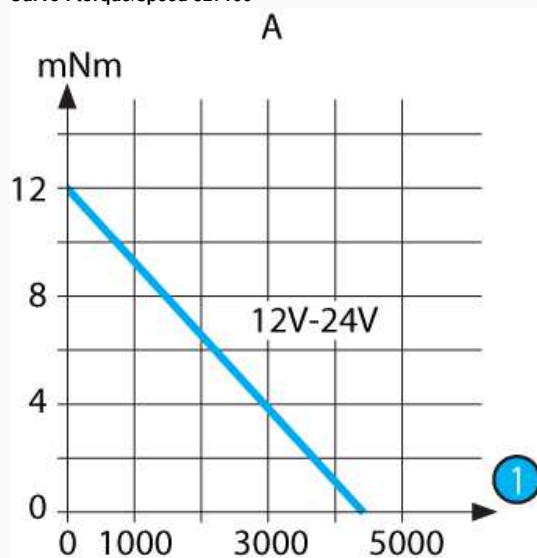
82710001 - 82710002



N°	Legend
①	2 solder tags 2.8 x 0.5 mm
②	2 holes M3 depth 2.3 max.

Curves

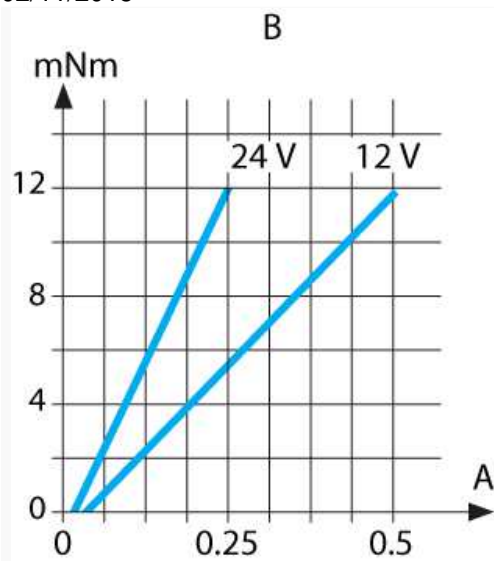
Curve : torque/speed 827100



N°	Legend
①	rpm

Curves

Curve : torque/current 827100



Product adaptations



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