

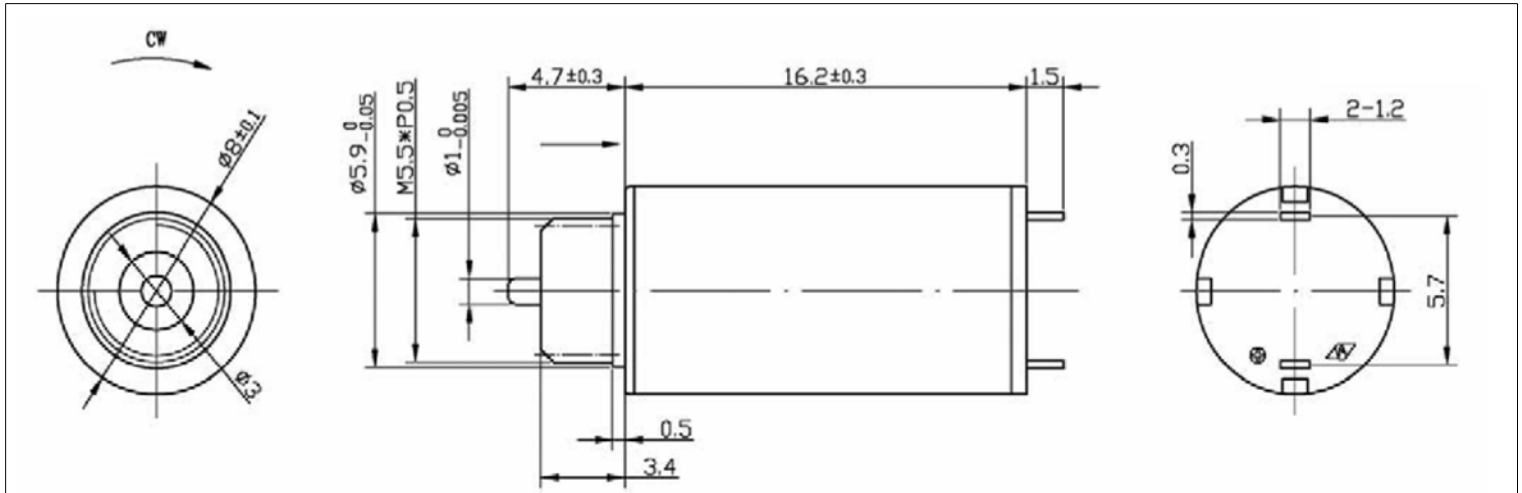
Coreless DC Motor - 8 mm Ø x 16

C08P08SG000

0.2 Watts Peak Power



Global Motion Products



Not to Scale - Dimensions in millimeters (mm)

Nominal Voltage	8.0 Volts	8.0 Volts	8.0 Volts
No-Load Speed	15,500 rpm	15,500 rpm	15,500 rpm
Stall Torque	0.6 mNm	6.0 gcm	0.09 oz-in
No-Load Current	0.006 Amps	0.006 Amps	0.006 Amps
Peak Output Power	0.2 Watts	0.2 Watts	0.2 Watts
Torque Constant	4.70 mNm/A	47.92 gcm/A	0.67 oz-in/A
Terminal Resistance	62.00 Ohms	62.00 Ohms	62.00 Ohms
Back-EMF Constant	0.49 V/krpm	0.49 V/krpm	0.49 V/krpm
Inductance			
Rotor Inertia	0.040 kg-m ² x10 ⁻⁷	0.040 gm cm ²	0.006 x10 ⁻⁴ oz in sec ²
Mechanical Time Constant	11.2 msec	11.2 msec	11.2 msec
Slope of Speed/Torque Curve	25,561.3 rpm/mNm	2,583.3 rpm/gcm	180,502.3 rpm/oz-in
Speed Constant	2,032 rpm/Volt	2,032 rpm/Volt	2,032 rpm/Volt
Motor Constant	0.60 mNm/√Watt	6.09 gcm/√Watt	0.08 oz-in/√Watt
Rated Power @ 11,500 rpm	0.20 Watts	0.20 Watts	0.20 Watts
Rated Torque @ 11,500 rpm	0.1 mNm	-0.3 gcm	-0.00 oz-in
Rated Current @ 11,500 rpm	0.036 Amps	0.036 Amps	0.036 Amps
Part Number: How to Order	C08P08SG000	Characteristics - Specifications at 22 °C	

Radial Load Rating	Radial Play	Max Temperature	60 °C
Radial Load Distance	Thrust Play	Min Temperature	-10 °C
Axial Load	Magnet Type NdFeB	Max Winding Temp	100 °C
Press Fit Force - Max	Bearing Type Sleeve Bearings	Mass	3.6 grams
Gearbox Options	8 mm Metal Planetary Gearboxes. Plastic Planetary Gearboxes		
Encoder Options	Not at this time.		
Options - Other	Lubricants. Windings.		

Global Motion Products
 Distributed by:
 Precision Motion Distributors: (925) 803-9565
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Commutation Type: **Manufactured under a Certified ISO 9001 Quality System and ISO 14001**
 Precious Metal

RoHS Compliant

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Specifications Subject to change without notice