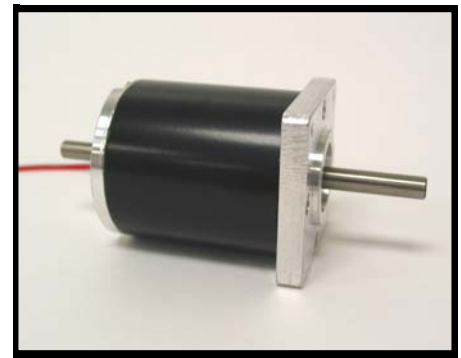


# ID15000 DC Brush Motor

- 1.5 Inch Motor
- Continuous Torque, 8 oz-in
- Speeds up to 6000 rpm
- Voltage Rating up to 40 Vdc
- 10 Lb Radial Load 1/2" from Front Face
- Optical Encoders - Precision Modular, Optional
- "Bolt On" Brake or Precision Gearhead, Optional



| Catalog Number | Torque     |            | Speed @ Vt<br>$\omega$<br>RPM | Voltage Terminal Vt<br>V dc | Current   |           | Torque Constant |           | Voltage Constant Ke<br>V / KRPM | Res. Rt<br>ohms | Ind. L<br>mH | Inertia Jm         |                      | Weight<br>Kg / lb |
|----------------|------------|------------|-------------------------------|-----------------------------|-----------|-----------|-----------------|-----------|---------------------------------|-----------------|--------------|--------------------|----------------------|-------------------|
|                | Cont. Tcs  | Peak Tps   |                               |                             | Cont. Ics | Peak Ips  | Nm / A          | oz-in / A |                                 |                 |              | kg-cm <sup>2</sup> | oz-in-s <sup>2</sup> |                   |
|                | Nm / oz-in | Nm / oz-in | A                             | A                           | Nm / A    | oz-in / A |                 |           |                                 |                 |              |                    |                      |                   |
| ID15000        | 0.056 / 8  | 0.23 / 32  | 6000                          | 40                          | 1.9       | 7.7       | 0.0306          | 4.33      | 3.2                             | 4.400           | 1.10         | 0.0212             | 0.0003               | 0.29 / 0.65       |

Notes: 1) 155C winding temp for Tc, Ic, Tp, Ip. All others @ 25C. 2) Tolerance on winding constants (+/- 10%), Resistance and Inductance (+/- 15%). 3) Visit [www.mcg-net.com](http://www.mcg-net.com) for more CAD drawings & data

