

**Characteristics:**

High Power DC motor

**Specifications:**

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (mm)                  | : Ø 22.0 X 38.3 mm |
| Shaft Diameter (mm)              | : Ø 2.000 mm       |
| Input Voltage (V)                | : 7.2 V DC         |
| No Load Speed (rpm)              | : 16800 rpm        |
| No Load Current (A)              | : 0.52 A           |
| Nominal Speed (rpm)              | : 13900 rpm        |
| Nominal Torque (mNm)             | : 7.56 mNm         |
| Nominal Current (A)              | : 2.47 A           |
| Stall Torque (mNm)               | : 43.72 mNm        |
| Stall Current (A)                | : 11.82 A          |
| Maximum Output Power (W)         | : 19.20 W          |
| Maximum Efficiency (%)           | : 62%              |
| Torque (mNm) - Max Eff           | : 7.56 mNm         |
| Speed (rpm) - Max Eff            | : 13900 rpm        |
| Life (Typical)                   | : 25 hr            |
| Weight (g)                       | : 53.60 g          |
| Operating Temperature Range (°C) | : -10 to 55 °C     |
| Storage Temperature Range (°C)   | : -20 to 80 °C     |
| Electrical Connection            | : Terminals        |

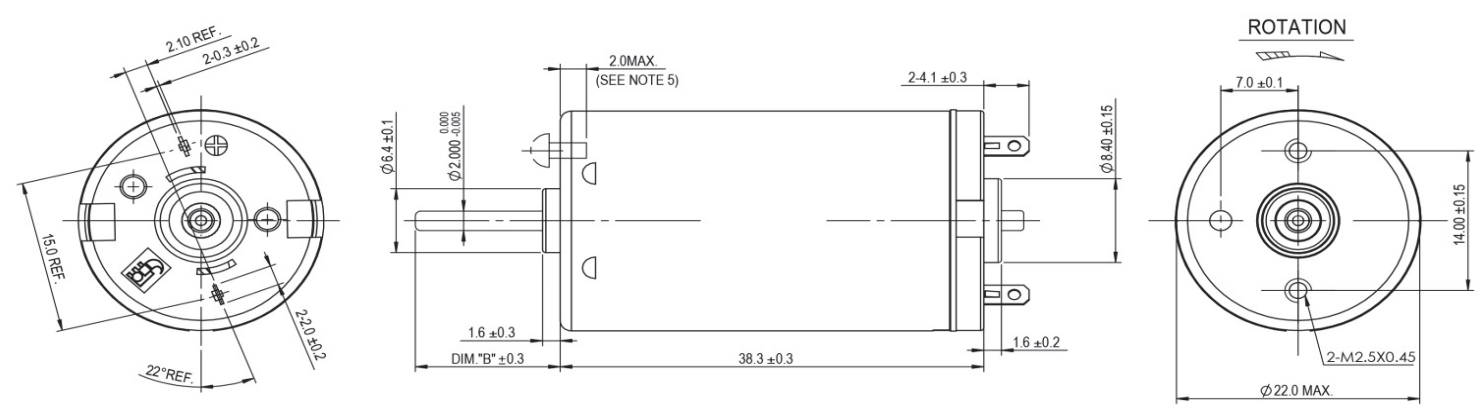
**Performance Data:**

|                         | No Load  | Stall | Max Efficiency | Max Power |
|-------------------------|----------|-------|----------------|-----------|
| <b>Current (A)</b>      | 0.52     | 11.82 | 2.47           | 6.17      |
| <b>Efficiency (%)</b>   | -        | -     | 62.00          | 43.00     |
| <b>Output Power (W)</b> | -        | -     | 11.00          | 19.20     |
| <b>Speed (rpm)</b>      | 16800.00 | -     | 13900.00       | 8377.00   |
| <b>Torque (mNm)</b>     | -        | 43.72 | 7.56           | 21.86     |

**Application Examples:**

Screw Drivers

Drawing:



Performance Curves:

