

## Characteristics:

High torque DC motor

## Specifications:

|                              |                  |
|------------------------------|------------------|
| Dimensions                   | : Ø 1.4 X 2.2 in |
| Shaft Diameter               | : Ø 0.125 in     |
| Input Voltage                | : 6.0 V DC       |
| No Load Speed                | : 10700 rpm      |
| No Load Current              | : 1.20 A         |
| Nominal Speed                | : 9400 rpm       |
| Nominal Torque               | : 0.33 lb.in     |
| Nominal Current              | : 8.70 A         |
| Stall Torque                 | : 2.62 lb.in     |
| Stall Current                | : 61.00 A        |
| Maximum Output Power         | : 0.11           |
| Maximum Efficiency           | : 69%            |
| Torque at Maximum Efficiency | : 0.33 lb.in     |
| Speed at Maximum Efficiency  | : 9400 rpm       |
| Life (Typical)               | : 100 hr         |
| Weight                       | : 8 oz           |
| Operating Temperature Range  | : 14 to 131 °F   |
| Storage Temperature Range    | : -4 to 176 °F   |
| Electrical Connection        | : Terminals      |



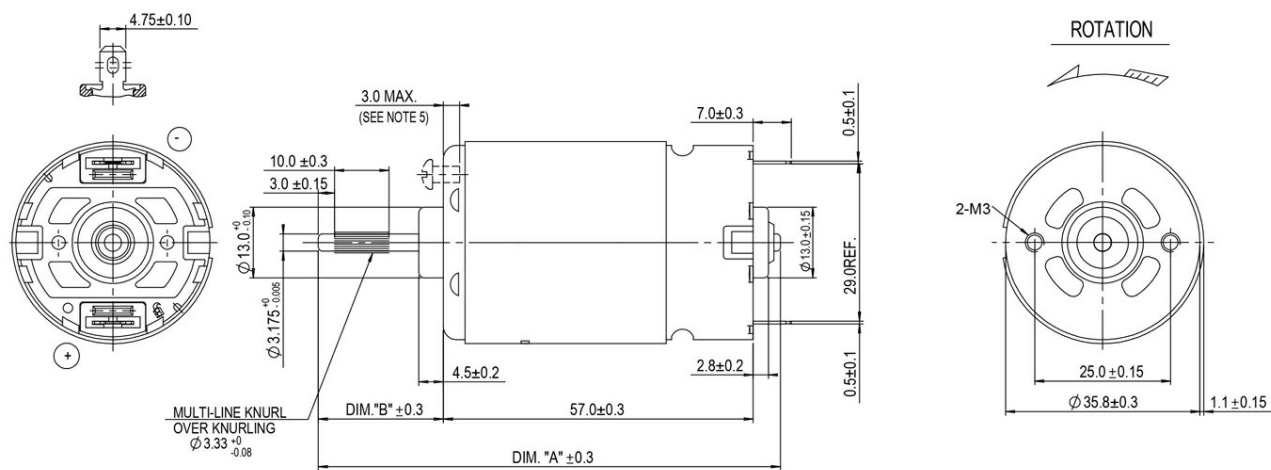
## Performance Data:

|                   | No Load | Stall | Maximum Efficiency | Maximum Power |
|-------------------|---------|-------|--------------------|---------------|
| Current (A)       | 1.20    | 61.00 | 8.70               | 31.00         |
| Efficiency (%)    | -       | -     | 69                 | 44            |
| Output Power (hp) | -       | -     | 0.05               | 0.11          |
| Speed (rpm)       | 10700   | -     | 9400               | 5400          |
| Torque (Lb.in)    | -       | 2.62  | 0.33               | 1.31          |

## Application Examples:

ATV

Outline Drawing:



Performance Curves:

