

Characteristics:

Compact DC Motor, High Power Density, High Efficiency

**Specifications:**

Dimensions (in)	: Ø 1.27 X 0.77 in
Shaft Diameter (in)	: Ø 0.079 in
Input Voltage (V)	: 12.0 V DC
No Load Speed (rpm)	: 5500 rpm
No Load Current (A)	: 0.04 A
Nominal Speed (rpm)	: 4500 rpm
Nominal Torque (lb.in)	: 0.02 lb.in
Nominal Current (A)	: 0.16 A
Stall Torque (lb.in)	: 0.13 lb.in
Stall Current (A)	: 0.71 A
Maximum Output Power (hp)	: 0.002 hp
Maximum Efficiency (%)	: 63.80%
Torque at Max Efficiency (lb.in)	: 0.10 lb.in
Speed at Max Efficiency (rpm)	: 4486 rpm
Life (Typical)	: 1000 hr
Weight (oz)	: 1.43 oz
Operating Temperature Range (°F)	: 14 to 131 °F
Storage Temperature Range (°F)	: -4 to 176 °F
Electrical Connection	: Terminals

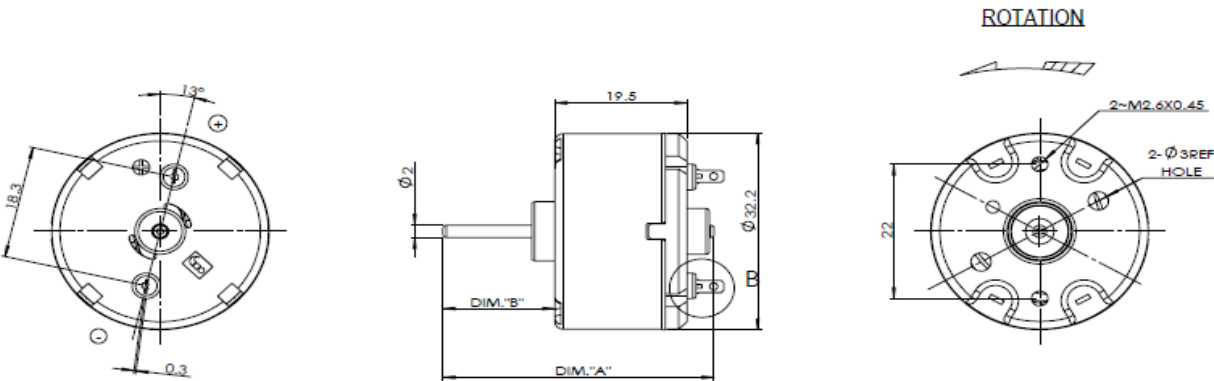
Performance Data:

	No Load	Stall	Max Efficiency	Max Power
Current (A)	0.04	0.70	0.16	0.37
Efficiency (%)	-	-	63.80	45.20
Output Power (hp)	-	-	0.00	0.00
Speed (rpm)	5500.00	-	4486.00	2754.00
Torque (lb.in)	-	0.13	0.02	0.06

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

