

Characteristics:

Compact DC Motor, High Power Density

**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)	: 11745 rpm
No Load Current (A)	: 0.13 A
Nominal Speed (rpm)	: 10500 rpm
Nominal Torque (lb.in)	: 0.01 lb.in
Nominal Current (A)	: 0.25 A
Stall Torque (lb.in)	: 0.19 lb.in
Stall Current (A)	: 2.36 A
Maximum Output Power (hp)	: 0.008 hp
Maximum Efficiency (%)	: 59.42%
Torque at Max Efficiency (lb.in)	: 0.03 lb.in
Speed at Max Efficiency (rpm)	: 9380 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

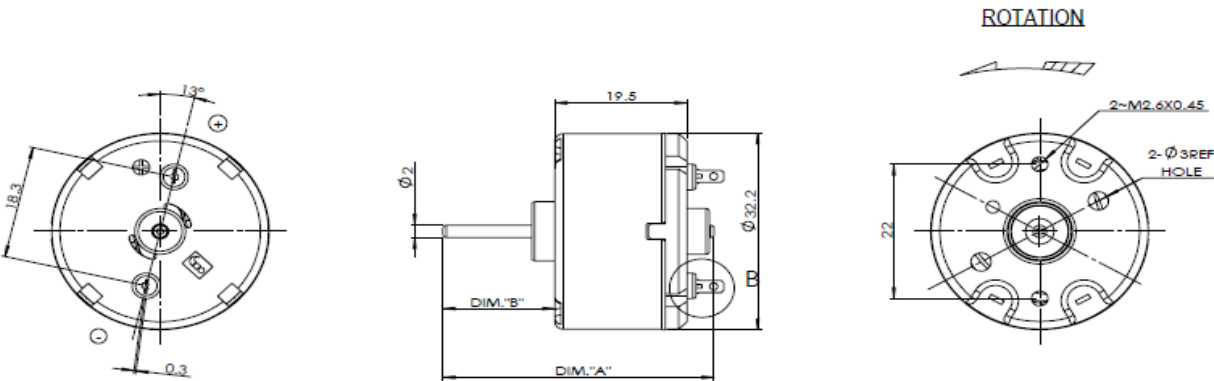
Performance Data:

	No Load	Stall	Max Efficiency	Max Power
Current (A)	0.13	2.36	0.53	1.24
Efficiency (%)	-	-	59.40	42.40
Output Power (hp)	-	-	0.01	0.01
Speed (rpm)	11745.00	-	9380.00	5747.00
Torque (lb.in)	-	0.19	0.03	0.09

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

