

Characteristics:

Compact DC Motor, High Power Density, High Efficiency

**Specifications:**

Dimensions (mm)	: Ø 32.2 X 19.5 mm
Shaft Diameter (mm)	: Ø 2.000 mm
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 (mNm)	: 2.60 mNm
Nominal Current (mA)	: 0.16 A
Stall Torque (mNm)	: 14.2 mNm
Stall Current (A)	: 0.71 A
Maximum Output Power (W)	: 2.05 W
Maximum Efficiency (%)	: 63.80%
Torque at Max Efficiency (mNm)	: 2.60 mNm
Speed at Max Efficiency (rpm)	: 4486 rpm
Life (Typical)	: 1000 hr
Weight (g)	: 40.50 g
Operating Temperature Range (°C)	: -10 to 55 °C
Storage Temperature Range (°C)	: -20 to 80 °C
Electrical Connection	: Terminals

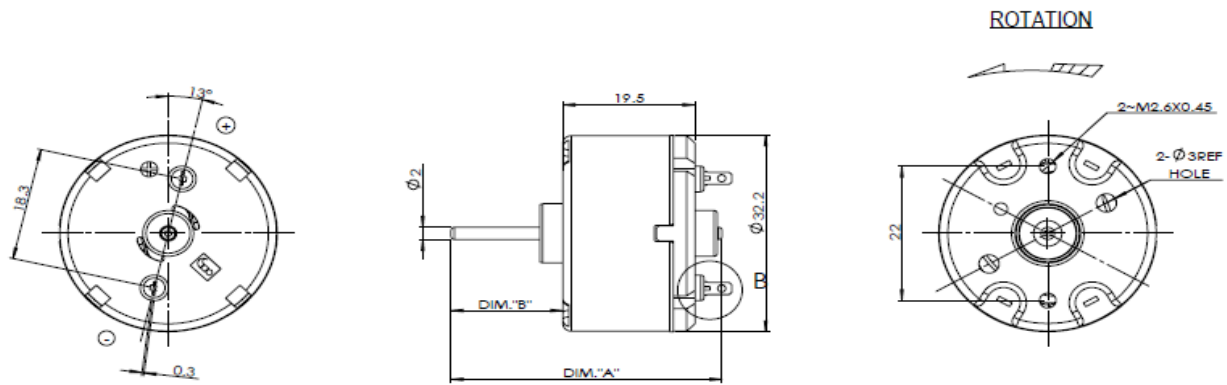
Performance Data:

	No Load	Stall	Max. Efficiency	Max. Power
Current (A)	0.04	0.70	0.16	0.37
Efficiency (%)	-	-	63.80	45.20
Output Power (W)	-	-	1.24	2.05
Speed (rpm)	5500.00	-	4486.00	2754.00
Torque (mNm)	-	14.20	2.30	7.10

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

