

Characteristics:

Compact DC Motor, High Power Density

**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)	: 11745 rpm
No Load Current (A)	: 0.13 A
Nominal Speed (rpm)	: 10500 rpm
Nominal Torque (mNm)	: 1.50 mNm
Nominal Current (mA)	: 0.25 A
Stall Torque (mNm)	: 21.0 mNm
Stall Current (A)	: 2.36 A
Maximum Output Power (W)	: 6.30 W
Maximum Efficiency (%)	: 59.42%
Torque at Max Efficiency (mNm)	: 3.86 mNm
Speed at Max Efficiency (rpm)	: 9380 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

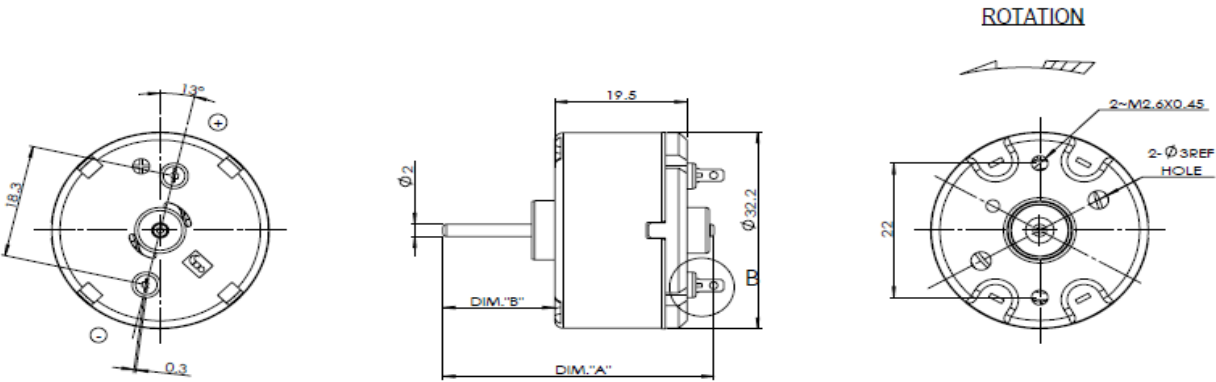
Performance Data:

	No Load	Stall	Max. Efficiency	Max. Power
Current (A)	0.13	2.36	0.53	1.24
Efficiency (%)	-	-	59.40	42.40
Output Power (W)	-	-	3.90	6.30
Speed (rpm)	11745.00	-	9380.00	5747.00
Torque (mNm)	-	21.00	3.90	10.50

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

