

Characteristics:

Compact DC Motor, High Power Density, High Efficiency



Specifications:

Dimensions (in)	: Ø 1.08 X 1.28 in
Shaft Diameter (in)	: Ø 0.091 in
Input Voltage (V)	: 12.0 V DC
No Load Speed (rpm)	: 4900 rpm
No Load Current (A)	: 0.08 A
Nominal Speed (rpm)	: 3900 rpm
Nominal Torque (lb.in)	: 0.03 lb.in
Nominal Current (A)	: 0.27 A
Stall Torque (lb.in)	: 0.17 lb.in
Stall Current (A)	: 1.00 A
Maximum Output Power (hp)	: 0.003 hp
Maximum Efficiency (%)	: 51.80%
Torque at Max Efficiency (lb.in)	: 0.03 lb.in
Speed at Max Efficiency (rpm)	: 3809 rpm
Life (Typical)	: 1000 hr
Weight (oz)	: 1.97 oz
Operating Temperature Range (°F)	: 14 to 131 °F
Storage Temperature Range (°F)	: -4 to 176 °F
Electrical Connection	: Terminals

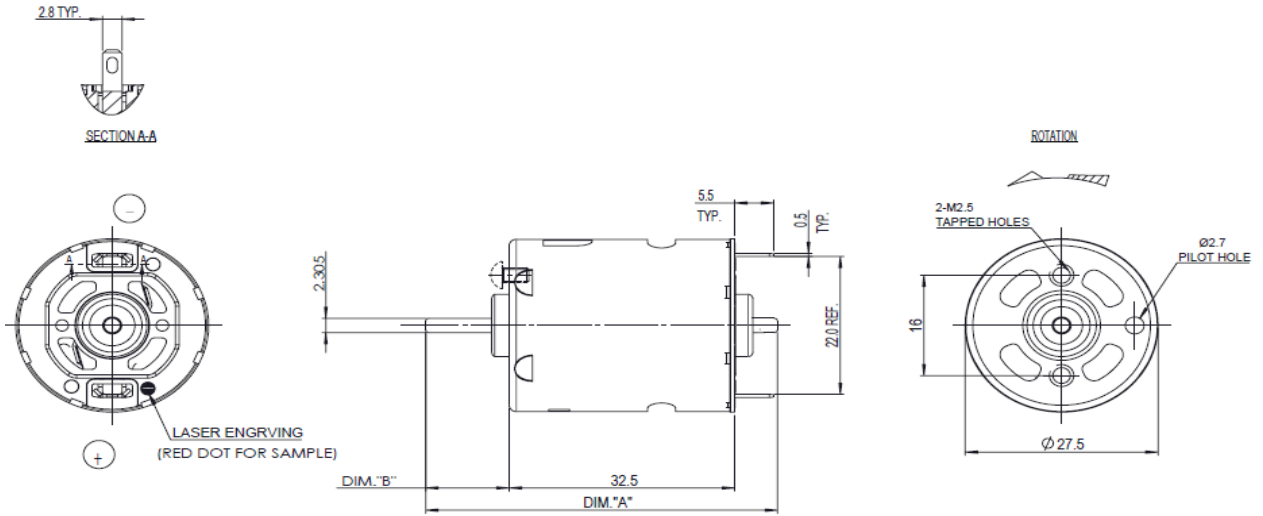
Performance Data:

	No Load	Stall	Max Efficiency	Max Power
Current (A)	0.08	1.00	0.29	0.54
Efficiency (%)	-	-	51.80	39.60
Output Power (hp)	-	-	0.00	0.00
Speed (rpm)	4900.00	-	3809.00	2449.00
Torque (lb.in)	-	0.18	0.04	0.09

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

