

Characteristics:

Hight power DC motor

Specifications:

Dimensions	: Ø 0.5 X 0.4 X 0.6 in
Shaft Diameter	: Ø 0.039 in
Input Voltage	: 5.0 V DC
No Load Speed	: 19800 rpm
No Load Current	: 0.04 A
Nominal Speed	: 16000 rpm
Nominal Torque	: 0.003 lb.in
Nominal Current	: 0.17 A
Stall Torque	: 0.01 lb.in
Stall Current	: 0.72 A
Maximum Output Power	: 0.001 hp
Maximum Efficiency	: 59%
Torque at Maximum Efficiency	: 0.003 lb.in
Speed at Maximum Efficiency	: 16000 rpm
Life (Typical)	: 50 hr
Weight	: 0.18 oz
Operating Temperature Range	: 14 to 131 °F
Storage Temperature Range	: -4 to 176 °F
Electrical Connection	: Terminals

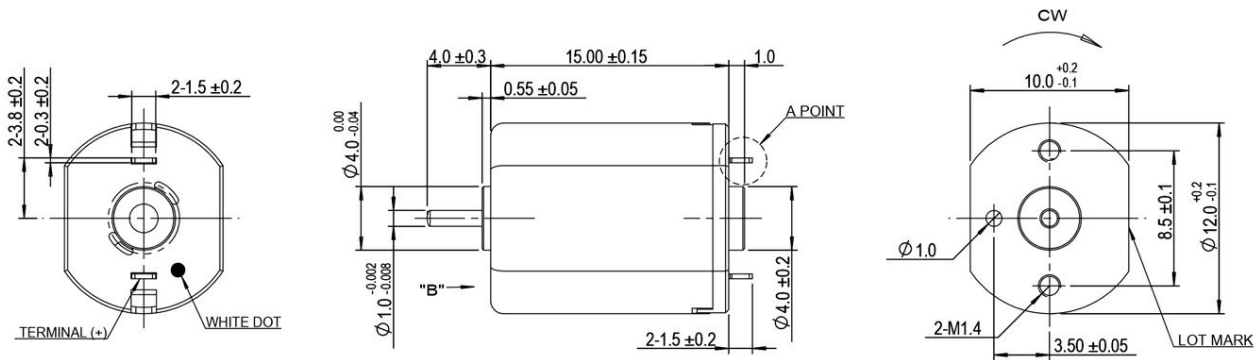
**Performance Data:**

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	0.04	0.72	0.17	0.38
Efficiency (%)	-	-	59	42
Output Power (hp)	-	-	0.001	0.001
Speed (rpm)	19800	-	16000	10000
Torque (Lb.in)	-	0.014	0.003	0.007

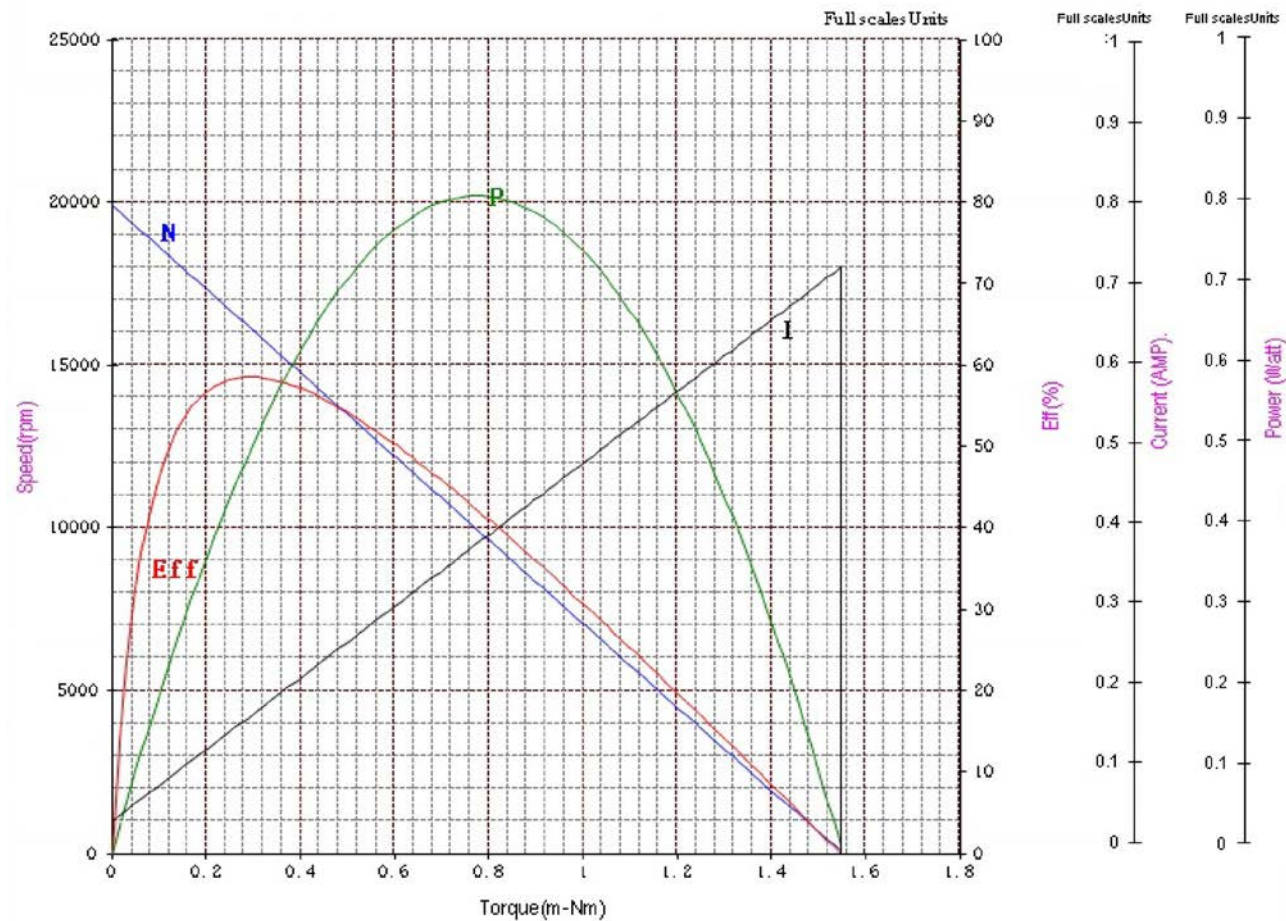
Application Examples:

Door Locks

Outline Drawing:



Performance Curves:



Units in Metric