

Characteristics:

High power DC motor

Specifications:

Dimensions	: Ø 12.0 X 10.0 X 15.0mm
Shaft Diameter	: Ø 1.000 mm
Input Voltage	: 5.0 V DC
No Load Speed	: 19800 rpm
No Load Current	: 0.04 A
Nominal Speed	: 16000 rpm
Nominal Torque	: 0.29 mNm
Nominal Current	: 0.17 A
Stall Torque	: 1.55 mNm
Stall Current	: 0.72 A
Maximum Output Power	: 0.81 W
Maximum Efficiency	: 59%
Torque at Maximum Efficiency	: 0.29 mNm
Speed at Maximum Efficiency	: 16000 rpm
Life (Typical)	: 50 hr
Weight	: 5 g
Operating Temperature Range	: -10 to 55 °C
Storage Temperature Range	: -20 to 80 °C
Electrical Connection	: Terminals

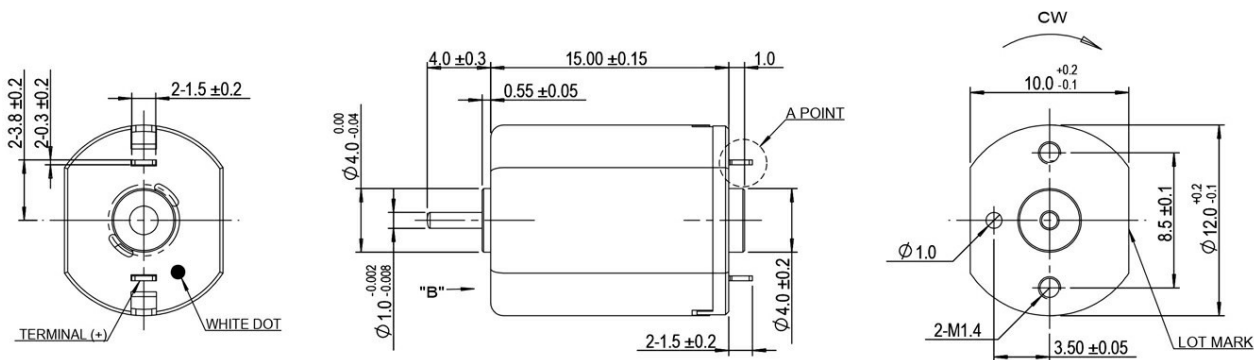
**Performance Data:**

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	0.04	0.72	0.17	0.38
Efficiency (%)	-	-	59	42
Output Power (W)	-	-	0.50	0.81
Speed (rpm)	19800	-	16000	10000
Torque (mNm)	-	1.55	0.29	0.77

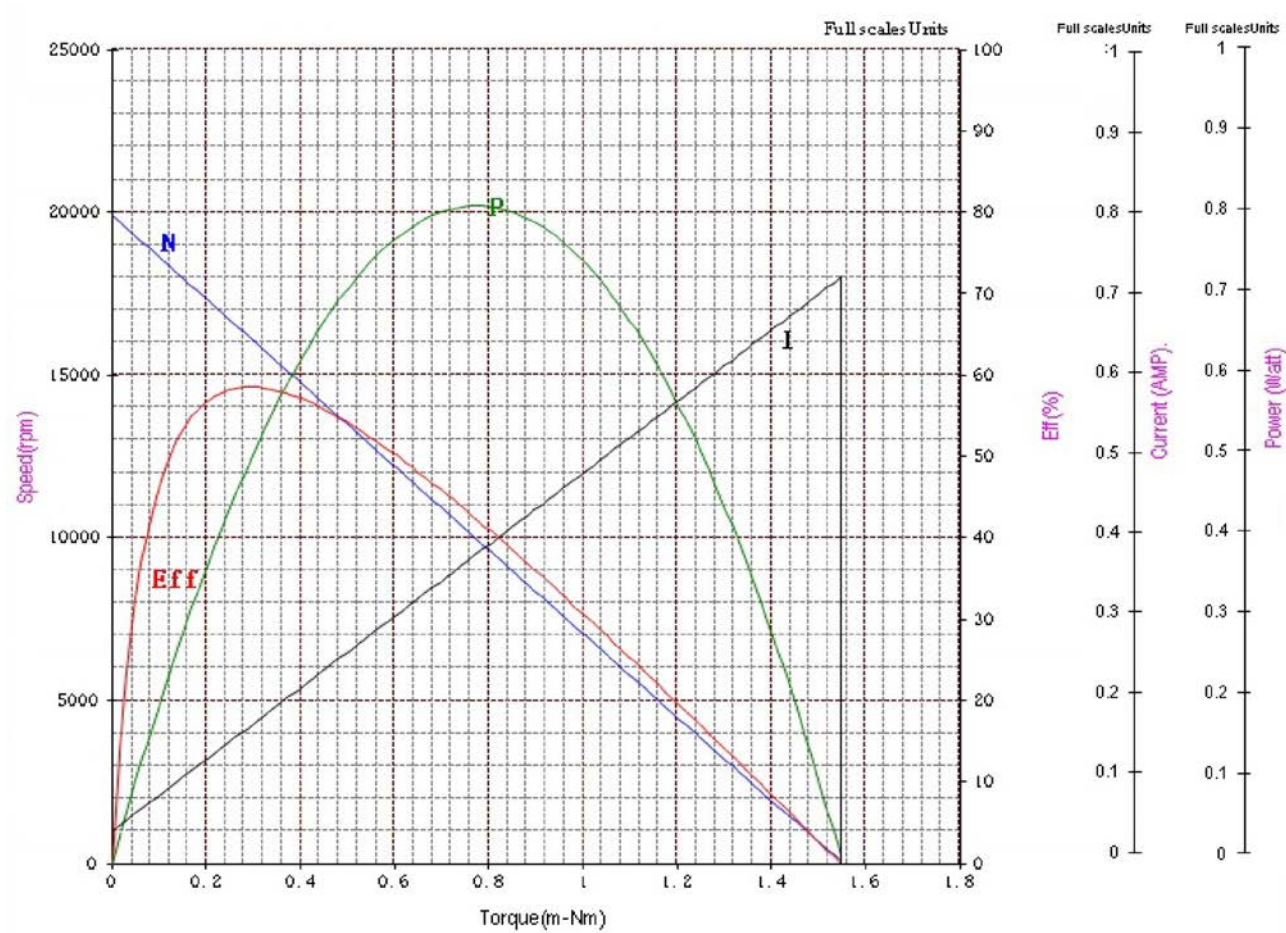
Application Examples:

Door Locks

Outline Drawing:



Performance Curves:



Units in Metric