

Characteristics:

DC motor

Specifications:

Dimensions	: Ø 15.5 X 12.0 X 18.6 mm
Shaft Diameter	: Ø 1.505 mm
Input Voltage	: 5.0 V DC
No Load Speed	: 13000 rpm
No Load Current	: 0.06 A
Nominal Speed	: 9500 rpm
Nominal Torque	: 0.50 mNm
Nominal Current	: 0.20 A
Stall Torque	: 2.00 mNm
Stall Current	: 0.63 A
Maximum Output Power	: 0.69 W
Maximum Efficiency	: 50%
Torque at Maximum Efficiency	: 0.50 mNm
Speed at Maximum Efficiency	: 9500 rpm
Life (Typical)	: 50 hr
Weight	: 10 g
Operating Temperature Range	: -10 to 55 °C
Storage Temperature Range	: -20 to 80 °C
Electrical Connection	: Terminals

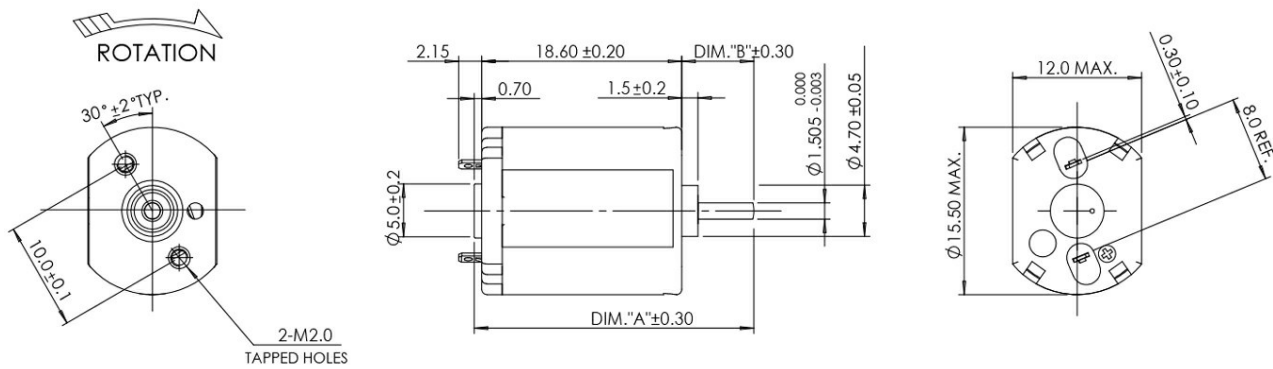
**Performance Data:**

	No Load	Stall	Maximum Efficiency	Maximum Power
Current (A)	0.06	0.63	0.20	0.35
Efficiency (%)	-	-	50	39
Output Power (W)	-	-	0.50	0.69
Speed (rpm)	12600	-	9500	6300
Torque (mNm)	-	2.10	0.50	1.00

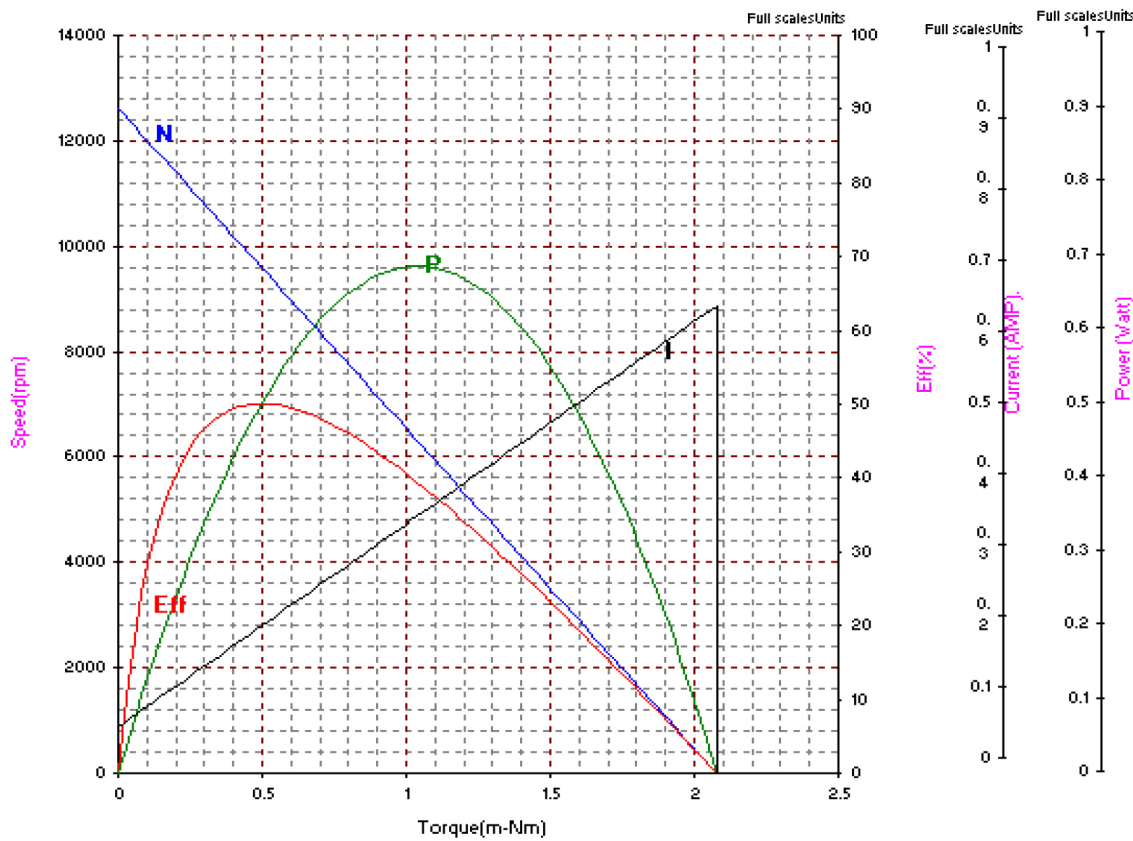
Application Examples:

Door Locks

Outline Drawing:



Performance Curves:



Units in Metric