

Characteristics:

Compact DC Motor, High Power Density, High Efficiency

**Specifications:**

Dimensions (mm)	: Ø 30.3 X 46.5 mm
Shaft Diameter (mm)	: Ø 2.305 mm
Input Voltage (V)	: 12.0 V DC
No Load Speed (rpm)	: 5000 rpm
No Load Current (A)	: 0.15 A
Nominal Speed (rpm)	: 3850 rpm
Nominal Torque (mNm)	: 12.00 mNm
Nominal Current (mA)	: 0.70 A
Stall Torque (mNm)	: 52.01 mNm
Stall Current (A)	: 2.76 A
Maximum Output Power (W)	: 6.84 W
Maximum Efficiency (%)	: 53.80%
Torque at Max Efficiency (mNm)	: 9.74 mNm
Speed at Max Efficiency (rpm)	: 4060 rpm
Life (Typical)	: 1000 hr
Weight (g)	: 114.00 g
Operating Temperature Range (°C)	: -10 to 55 °C
Storage Temperature Range (°C)	: -20 to 80 °C
Electrical Connection	: Terminals

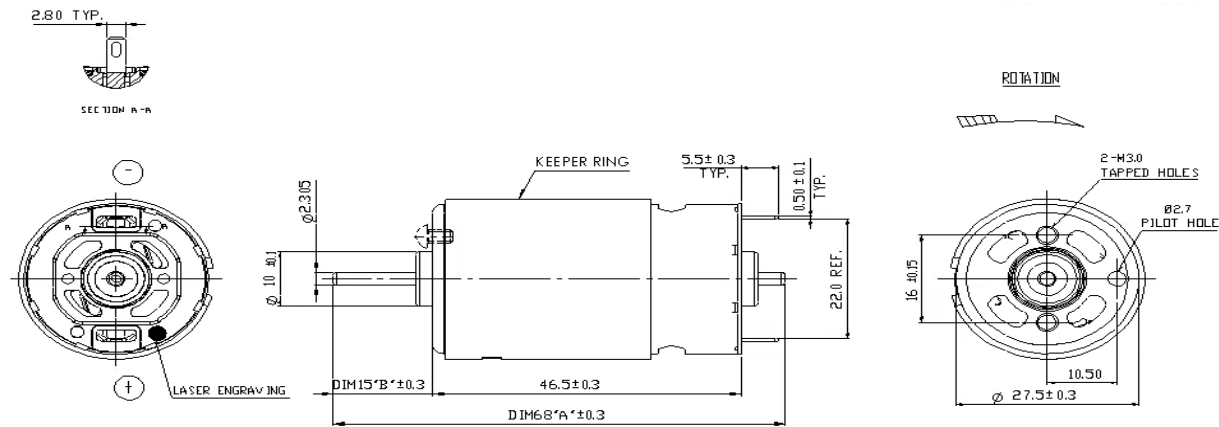
Performance Data:

	No Load	Stall	Max. Efficiency	Max. Power
Current (A)	0.15	2.76	0.64	1.45
Efficiency (%)	-	-	53.80	38.00
Output Power (W)	-	-	4.14	6.84
Speed (rpm)	5000.00	-	4060.00	2509.00
Torque (mNm)	-	52.01	9.74	26.00

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

