Characteristics:

Compact DC Motor, High Power Density, High Efficiency



Specifications:

Dimensions (mm) : Ø 27.5 X 32.5 mm Shaft Diameter (mm) : Ø 2.305 mm 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 (mNm) : 4.10 mNm Nominal Current (mA) : 0.27 A Stall Torque (mNm) : 20.10 mNm Stall Current (A) : 1.00 A Maximum Output Power (W) : 2.50 W Maximum Efficiency (%) : 51.80% Torque at Max Efficiency (mNm) : 4.4 mNm Speed at Max Efficiency (rpm) : 3809 rpm Life (Typical) : 1000 hr Weight (g) : 56.00 g Operating Temperature Range (°C) : -10 to 55 °C Storage Temperature Range (°C) : -20 to 80 °C : Terminals **Electrical Connection**

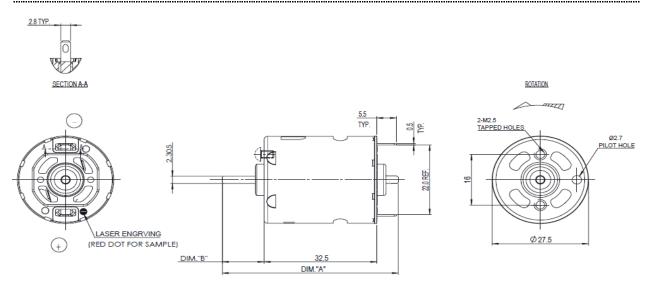
Performance Data:

	No Load	Stall	Max. Efficiency	Max. Power
Current (A)	0.08	1.00	0.29	0.54
Efficiency (%)	-	-	51.80	39.60
Output Power (W)	-	-	1.80	2.50
Speed (rpm)	4900.00	-	3809.00	2449.00
Torque (mNm)	-	20.10	4.47	10.10

Application Examples:

Robotic Vacuum Cleaners

Drawing:



Performance Curves:

