

Characteristics:

High Power DC motor

Specifications:

Dimensions	: Ø 1.1 X 1.3 in
Shaft Diameter	: Ø 0.091 in
Input Voltage	: 41.0 V DC
No Load Speed	: 18000 rpm
No Load Current	: 0.05 A
Nominal Speed	: 16500 rpm
Nominal Torque	: 0.02 lb.in
Nominal Current	: 0.18 A
Stall Torque	: 0.34 lb.in
Stall Current	: 2.00 A
Maximum Output Power	: 0.02
Maximum Efficiency	: 65%
Torque at Maximum Efficiency	: 0.05 lb.in
Speed at Maximum Efficiency	: 15000 rpm
Life (Typical)	: 150 hr
Weight	: 2 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)	0.05	2.00	0.35	1.00
Efficiency (%)	-	-	65	45
Output Power (hp)	-	-	0.01	0.02
Speed (rpm)	18000	-	15000	9000
Torque (Lb.in)	-	0.34	0.05	0.18

[illegible]

The graph shows the performance characteristics of a 4-pole motor. The x-axis represents Torque in m-Nm, ranging from 0 to 40.0. The left y-axis represents Speed in rpm, ranging from 0 to 20,000. The right y-axes represent Efficiency in %, Current in Amps, and Power in Watts, ranging from 0 to 100. The curves are labeled as follows:

- N (Speed):** A straight line decreasing from approximately 17,800 rpm at 0 torque to 0 rpm at 38.5 m-Nm.
- P (Power):** A curve starting at 0, peaking at approximately 17,500 rpm at 19.25 m-Nm, and returning to 0 at 38.5 m-Nm.
- Eff (Efficiency):** A curve starting at 0, peaking at approximately 12,800 rpm at 6.25 m-Nm, and returning to 0 at 38.5 m-Nm.
- I (Current):** A straight line increasing from 0 at 0 torque to approximately 12,800 rpm at 38.5 m-Nm.

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