

Characteristics:

High Power DC Motor

Specifications:

|                             |                     |
|-----------------------------|---------------------|
| Shaft Diameter              | : Ø 0.091 in        |
| Input Voltage               | : 120.0 V DC        |
| Rectified                   | : Rectified         |
| No Load Speed               | : 7900 rpm          |
| Maximum Efficiency          | : 45%               |
| Speed at Maximum Efficiency | : 5500 rpm          |
| Life (Typical)              | : 150 hr            |
| Life Test Condition         | : 55                |
| Weight                      | : 4 oz              |
| Certification               | : UL, E60303 , RoHS |



Performance Data:

|                   | No Load | Stall | Maximum Efficiency | Maximum Power |
|-------------------|---------|-------|--------------------|---------------|
| Current (A)       | 0.05    | -     | 0.12               | -             |
| Efficiency (%)    | -       | -     | 45                 | -             |
| Output Power (hp) | -       | -     | 0.01               | -             |
| Speed (rpm)       | 7900    | -     | 5500               | -             |
| Torque (Lb.in)    | -       | -     | 0.10               | -             |

Speed (RPM)

Torque (mNm)

ER / PF (%)

Amp.

Watt

| Torque (mNm) | Blue 'x' (RPM) | Green Square (RPM) | Orange Triangle (RPM) | Red Circle (RPM) | Yellow Triangle (RPM) |
|--------------|----------------|--------------------|-----------------------|------------------|-----------------------|
| 0            | 7900           | 0                  | 800                   | 400              | 0                     |
| 5            | 6600           | 3500               | 1600                  | 700              | 600                   |
| 10           | 5600           | 4000               | 2300                  | 1000             | 1000                  |
| 15           | 4700           | 3800               | 3000                  | 1300             | 1300                  |
| 20           | 3800           | 3400               | 3800                  | 1700             | 1400                  |
| 25           | 2900           | 2800               | 4500                  | 2000             | 1400                  |

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