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| --- | --- |
| **Voltage (Nominal)** | 12V |
| **Voltage Range (Recommended)** | 6V - 12V |
| **Speed (No Load)\*** | 175 rpm |
| **Current (No Load)\*** | 70mA |
| **Current (Stall)\*** | 1600mA |
| **Torque (Stall)\*** | 45 oz-in |
| **Gear Ratio** | 150:1 |
| **Gear Material** | Metal |
| **Gearbox Style** | Straight Cut Spur |
| **Motor Type** | DC |
| **Output Shaft Diameter** | 3mm (0.118") |
| **Output Shaft Style** | D-shaft |
| **Output Shaft Support** | Brass Case |
| **Electrical Connection** | ZH Series JST 6-pin connector (1.5mm Pitch) |
| **Mounting Screw Size** | M1.6 x 0.35mm |
| **Product Weight** | 0.4 oz |
| **Encoder: Cycles Per Revolution (Motor Shaft)** | 3 |
| **Encoder: Cycles Per Revolution (Output Shaft)** | 450 |
| **Encoder: Countable Events Per Revolution (Motor Shaft)** | 12 |
| **Encoder: Countable Events Per Revolution (Output Shaft)** | 1,800 |
| **Encoder Sensor Type** | Magnetic (Hall Effect) |
| **Encoder Type** | Relative, Quadrature |