



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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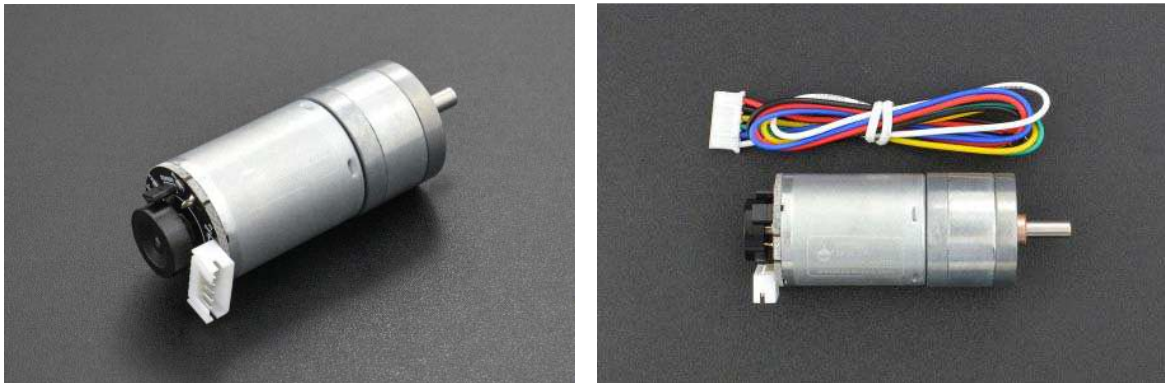
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Metal DC Geared Motor w/Encoder - 6V 300RPM 3.6Kg.cm

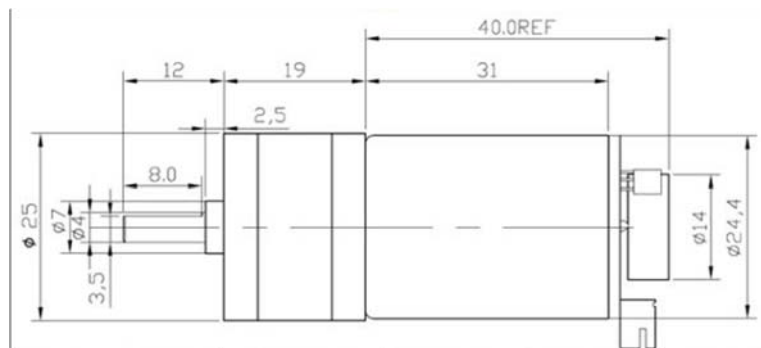
SKU:FIT0520



INTRODUCTION

This is a metal geared DC motor w/Encoder. It is a 6V motor with a 20:1 metal gearbox and an integrated quadrature encoder that provides a resolution of 11 counts per revolution of the motor shaft, which corresponds to 224.4 counts per revolution of the gearbox's output shaft.

These units have an 8 mm length, 4 mm-diameter D-shaped output shaft. This motor is intended for use at 6V, though the motor can begin rotating at voltages as low as 1V. This motor is an ideal option for your mobile robot project.



Dimension

SPECIFICATION

Motor Rated Voltage: 6V

Encoder Rated Voltage: 3.3 / 5V

Reducer Reduction Ratio: 1: 20

No load Speed: 300RPM@0.1A

Maximum Efficiency Point: load 0.7Kg·cm / 245RPM / 1.2W / 0.4A

Maximum Power point: Load 1.8Kg·cm / 160RPM / 2W / 0.8A

Stall Torque: 3.6kg · cm

Stall Current: 2.7A

Hall Resolution: Hall Resolution 11x Precision Reduction Ratio 20.4 = 224.4PPR/ RPM

Dimension: 50 * Φ 24.4 mm / 1.97 * Φ 0.96inches

Weight: 96g

SHIPPING LIST

Metal DC Geared Motor w/Encoder - 6V 300RPM 3.6Kg.cm x1

JST 6-Pin cable x1

