

Motors



GEARED MOTOR 224:1 RATIO, 90 DEGREE SHAFT

- Operates on 3 - 12VDC
- 50 inch-ounces of torque at 38 rpm
- 90° output shaft
- Built-in clutch (limiting at 60 inch-ounces)
- Clutch can be locked
- Comes with mounting screw holes
- Dimensions: 70 x 22.5 x 37mm



MODEL	
GM3	

SERVO MOTOR 325.1:1

- Robust, servo-shaped body and gears
- Continuous rotation, no electronics
- Brass bushings on output shaft
- Includes servo accessory pack
- Dimensions: 40.6 x 20 x 38mm



MODEL	
GM4	

GEARED MOTOR 143:1 RATIO, INLINE/OFFSET SHAFT

- High-speed motor
- Draws 57mA free-running, 670mA at stall
- Built-in clutch, screw holes
- Short output shaft
- Will run on 3 - 12VDC
- Dimensions: 55 x 48 x 23mm



MODEL	
GM8	

GEARED MOTOR 143:1 RATIO, 90 DEGREE SHAFT

- High-speed version of the GM3
- Draws 57mA free-running, 670mA at stall
- Built-in clutch, screw holes
- Shorter output shaft than the GM3
- Will run on 3 - 12VDC
- Dimensions: 70.5 x 27 x 23mm



MODEL	
GM9	

GEARED MOTOR 81:1 RATIO - PAGER MOTOR

- 60° rotation, factory setup
- Convertible to continuous rotation
- At 5V, 3.6 inch-ounces torque
- 30cm wire leads
- Square shaft: 3.55mm per side
- Dimensions: 2.5 x 1.4 x 2.9cm



MODEL	
GM10	

STANDARD MOTOR

- Form factor 030 motor
- Precious-metal brushes
- 7400 rpm @ 4.7V
- Outputs 4 gm-cm torque at 150mA
- 1.5mm shaft



MODEL	
RM1A	

REGULAR MOTOR - HIGH POWER

- High power motor
- Form factor 130
- More speed and torque than the GM series
- Also more power draw



MODEL	
RM2	

REGULAR MOTOR

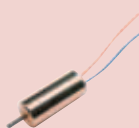
- Standard motor in the GM2/3/8/9
- Nominal voltage: 6VDC
- Nominal current draw: 35mA



MODEL	
RM3	

REGULAR PAGER MOTOR

- 1.5V produces 9,700rpm, free-running
- 3V produces 18,400rpm, free-running
- 5V produces 31,900rpm, free-running
- Current draw at stall varies with applied voltage



MODEL	
RPM2	

SERVO GEAR MOTOR

- Standard servo motor
- Easily converted to gear motor
- Servo accessory pack included



MODEL	
SERVO	

TINY PAGER MOTOR

- Outer diameter: 4mm
- Overall length: 19mm
- Shaft diameter 0.66mm
- At 1.5V, rotates at 10,100RPM.
- At 3V, rotates at 20,300RPM
- At 5V, rotates at 32,500RPM



MODEL	
TPM2	

VIBRATING PAGER MOTOR

- Diameter: 14mm
- Thickness: 3.5mm
- Fully contained
- No accessible moving parts



MODEL	
VPM2	

Solarbotics

L298 COMPACT MOTOR DRIVER KIT #13



- Popular motor driver IC
- Input: 6 to 50VDC
- Output: up to 4A
- Four motor-direction indicator LEDs
- Onboard, user-accessible, 5V, low-dropout regulator
- Screw-terminals for power and motor connections
- Socket connectors for easy logic interfacing

MODEL	
K-CMD	

THE SUMOVORE MINI-SUMO KIT#11



- Powerful GM8 gearmotors with L293D driver
- Four opto-reflector edge sensors
- Two 38KHz IR emitters and detectors
- Discrete brainboard offers selectable sumo/line-follower modes
- Multiple trimpots for simple behavior tuning
- Modular front edge sensor / IR transmitter daughter-board
- Powder-coated front steel plates
- Detailed instructions (soldering required)
- 345g "batteries-in" finished weight (6 x AA batteries not included)

MODEL	
K-SV	