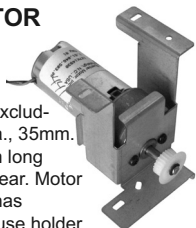


12/24 VDC GEAR MOTOR

Buehler #1.61.046.503.06.
No load ratings: 110 RPM @
12Vdc/90mA. 250 RPM @
24Vdc/90 mA. Overall length, excluding
shaft, 75mm. Gear head dia., 35mm.
Flatted shaft, 5mm dia. x 19mm long
with 14.5mm diameter plastic gear. Motor
attached to metal bracket and has
12 inch leads with GMA inline fuse holder.

CAT# DCM-441 \$14.95 each



MIRROR ADJUSTER ASSEMBLY

Automotive side-view mirror assembly consists of two small 12 Vdc motors with push/pull worm-gear mechanisms. The motors raise and lower a 4.28" square plastic platform. The worm-gear mechanisms can push or pull depending on polarity and will allow manual adjustment without voltage present. Each motor / worm-gear assembly is independent, protected with a rubber boot for moisture protection. The motors can be separated from the larger assembly by drilling off the mirror platform. Overall thickness of motors and platform is approximately 2".

CAT# DCM-273 \$3.00 per assembly



SERVO MOTORS

DIGITAL SERVO

Better quality servo with ball bearings. 54.0 oz/in torque. 0.18 sec/ 60 degrees. Body, excluding mounting flanges and horn: 1.52" x 0.75" x 1.36". 12" leads (brown, red, orange) with standard 3-conductor female connector.

CAT# DCM-711 \$12.50 each



STANDARD RACING SERVO

Comparable to JR Z270 analog racing servo. 1.55" x 0.73" x 1.46" (39.4 x 18.5 x 37.1mm). 49oz-in torque @ 6Vdc. Speed: 0.23sec/ 60 Degrees @ 4.8V, 0.19 sec/ 60 Degrees @ 6V. 6.5" leads w/ standard 3-conductor female connector.

CAT# DCS-110 \$9.75 each • 5 for \$9.40 ea.



CONTINUOUS ROTATION

Parallax (Futaba)# 900-00008
0 to 50 RPM, with linear response to PWM for easy ramping. Power requirements: 4 to 6 VDC, 15-200 mA. 2.2 x 0.8 x 1.6" (55.8x 19 x 40.6 mm) excluding servo horn. Torque: 38 oz-in @ 6 V.

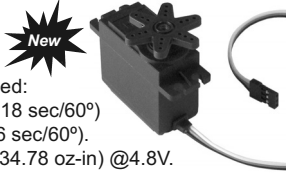
CAT# PX-900 \$12.99 each



CONTINUOUS ROTATION

Fitec # FS5103R
Standard size, analog, continuous rotation servo. Speed: 55 RPM @ 4.8V (0.18 sec/60°) 62 RPM @ 6V (0.16 sec/60°). Torque: 2.5kg-cm (34.78 oz-in) @4.8V. 3.2kg.cm/44.52oz.in @ 6V . Weight, 36g (1.27 oz). 30cm leads w/JR connector. 40.8 x 20.1 x 38.0mm.

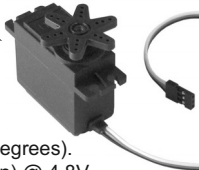
CAT# DCS-103R \$12.00 each



CONTINUOUS ROTATION

Fitec FS5106R
Higher torque, standard size, analog, continuous rotation servo. Speed: 55 RPM @ 4.8V (0.18 sec/60 degrees) 62 RPM @ 6V (0.16 sec/60 degrees). Torque: 5.2kg-cm (72.34 oz-in) @ 4.8V. 6.3kg.cm/87.64oz.in @ 6V. Weight, 40g (1.41 oz). 30cm leads w/JR connector. 40.8 x 20.1 x 38.0mm.

CAT# DCS-106R \$15.75 each



STEPPER MOTORS

5-WIRE STEPPER MOTOR

Howard Industries # 1-19-4201
24Vdc. 3.6 Degrees/step. 42 x 42 x 32mm. Shaft: 5mm dia. x 10mm long. Five 6" leads. Two mounting studs on two diagonal corners of motor face.

CAT# SMT-364 \$4.35 each



6-WIRE STEPPER

North American Phillips Controls # 504-0004. 12 Volts, 8 Watt stepper motor. 2.25" dia x 0.95", 0.25" dia.x 0.37" long shaft. 6" leads. Motors are unshaded, but discolored from storage conditions.

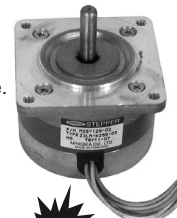
CAT# SMT-358 \$2.00 each



8-WIRE STEPPER MOTOR, USED

Minebea Astrosyn Type 23LM-K255-03. NEMA 23 bipolar stepper motor. 1.8 degree per step. 57 x 57mm mounting plate. 57mm diameter x 40mm long, excluding shaft. 6.5mm dia. x 23mm long shaft. Eight 6" leads with 8-conductor female socket connector (0.1" spacing). Used, removed from equipment.

CAT# SMT-135 \$8.50 each



8-LEAD STEPPER MOTOR

Airpac® S57M048S02.
5V, 6.25 Ohms/coil, 7.5 Degrees per step. 57mm diameter x 24mm long. Mounting flange with tapped holes on 67mm centers. 5mm diameter x 12mm long shaft with nylon cogbelt pulley. Eight 270mm leads.

CAT# SMT-133 \$3.00 each



GEAR REDUCTION STEPPER MOTOR

Japan Servo #KP48FP8G-504
3:25 gear reduction. 7.5 Degrees per step. 24Vdc. 95 Ohms/phase. 6-wire motor. Body is 1.88" diameter x 1.03". L-shape mounting flange on one side, extended mounting tab on other side. 3/16" dia. shaft with a 0.62" dia. brass gear.

CAT# SMT-359 \$2.50 each



STEPPER MOTOR, 6-WIRE

Mabuchi # PF35T-48L4. Four phase, unipolar stepper motor with 6 leads. 3.6 Degree step angle. 20 Ohms. 7V, 350mA. 1.38" dia. x 0.59" long. Mounting flange has two holes on 1.68" centers. Dual shaft, 0.078" dia. Brass gear on one side, 10 teeth, 0.25" dia. 2.75" leads with socket connector.

CAT# SMT-108 \$3.25 each

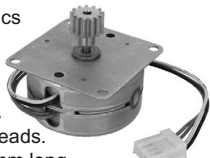


STEPPER MOTORS

Portescap #S42L048S02-M5
24V, 5 Ohm, 7.5 Degree per step.
42mm diameter x 22mm. Two
mounting holes on 51mm centers.
Four 3" leads. Shaft - 3mm diameter x
11mm long. 16 tooth, 9.75mm dia. brass gear.
CAT# SMT-356 \$2.50 each



Thomson Airpax Mechatronics
S42M048T52. 3.1Vdc,
3.6 Ohm, 7.5 Degree per
step. 42mm diameter x
22mm. Four mounting holes
on 36mm centers. Four 6" leads.
Shaft - 3mm diameter x 11mm long.
13 tooth, 12mm diameter brass gear.
CAT# SMT-355 \$2.50 each



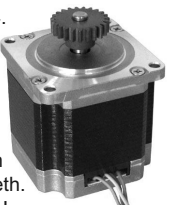
6-LEAD STEPPER MOTOR

Sanyo Denki 3.5V, 1.5A,
1.8 Degree/ step.
"Step-Syn" 103G770-1854.
57mm diameter x 51mm long
motor. 57mm x 57mm square
mounting flange with mounting
holes on 47.14mm centers.
6.3mm (0.25") diameter x
24mm long shaft with 15mm diameter plastic cog
pulley, 1.5mm pitch. Six 7" leads.
CAT# SMT-362 \$14.00 each



4-LEAD, 1.8 DEG STEPPER MOTOR

Shinano Kenshi # STP 58D3004.
56 x 56 x 54mm stepper.
1.8 Degree per step. 0.48 Ohm.
Four mounting holes on 47mm
centers. Four 4" wire leads
prepped with 5-pin connector.
6.5mm (0.25") dia. shaft x 16mm
long. 25mm dia, gear with 23 teeth.
CAT# SMT-119 \$14.00 each



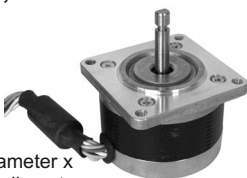
4-WIRE STEPPER MOTOR

Minebea # 23KM-K217-P2V.
56 x 56 x 42mm stepping motor.
Four mounting holes on 47.14mm
centers. 1.8 degrees per step.
8mm diameter x 25mm long
shaft with 20mm diameter cog gear.
4, 380mm wires with 4-pin connector. Motors are
new, prepped with a removable metal adapter.
CAT# SMT-363 \$12.00 each



STEPPER MOTOR, 8-WIRE

Minebea-Matsushita
23LM-K255-08W
P/N 20-0253-01 REV.L.
57mm x 57mm square
mounting flange,
tapped mounting holes,
47.15 centers. 57mm diameter x
40.11mm body. 6.35mm diameter
flatted shaft 27.45mm long. 8-wire, two ferrites and
molex type connector on 6" leads. Unknown specs.
CAT# SMT-366 \$10.00 each



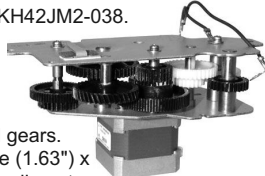
ROTARY STEPPER MOTOR

Nippon Pulse #PF55-48D1.
55mm dia. x 25mm 5V unipolar
stepper motor. 7.5 Deg. per step.
2-phase. 5 Ohms per phase.
Shaft is 3mm in dia. x 4mm long
with a small keyway on one side. Six 12" leads.
CAT# SMT-120 \$2.00 each



STEPPER MOTOR W/ GEAR TRAIN

Japan Servo Motor# KH42JM2-038.
6-pin connector,
1.8 Degree/ step
motor attached to a
gear train with eight
single and compound gears.
Motor is 42mm square (1.63") x
1.57" long with a 5mm diameter
shaft with a brass gear attached. The gear train is
6" x 1.45" overall and is removable. Requires an
11-pin socket connector, 2mm pitch for connection.
CAT# SMT-107 \$10.00 each



16 WIRE STEPPER MOTOR

Brand unknown -
Made in Belgium # PD 12
Code number :
9904 112 12001
3 Deg. 45' step angle.
175mA. 150 g/cm torque. 1.5" diameter x
2.48" long. 1.5" square mounting plate.
0.15" dia. x 0.40" long shaft. 16 leads, 11" long.
CAT# SMT-118 \$4.75 each



115 VAC REVERSIBLE AC MOTORS

115VAC REVERSIBLE MOTOR W/ CAPACITOR

Oriental Motor# 4RJ20GB-AUL.
Capacitor-run, single-
phase motor with built-in
friction brake to improve
instantaneous reversing characteristics.
Suited for applications where the motor must switch di-
rection frequently. 115 Vac, 0.48A, 20W. Starting
torque, 14.6 oz-in. Rated Torque, 18.7 oz-in. 1500
RPM. 7mm diameter x 12.5mm long pinion shaft de-
signed to mate with gearbox. 80mm square mounting
plate. Overall length of motor, 77mm. Three 12" leads.
UL, CSA, CE. Includes 6 uF capacitor. We have some
gearheads designed to fit this motor, Oriental
#4GB3.6KA - see CAT# GH-436. Motors and gear-
heads are new, in original boxes.
CAT# ACM-420 \$25.00 each



GEAR HEAD FOR REVERSIBLE MOTOR, ACM-420

Oriental # 4GB3.6KA.
Designed for use with
Oriental GB-series
motors, like our CAT#
ACM-420. Fits 80mm
square mounting plate on motor. 32.2mm thick.
5/16" (9mm) diameter flatted shaft is 30mm long.
When used with CAT# ACM-420, final no-load
speed is 500 RPM. New, in original box with hard-
ware and installation instructions.
CAT# GH-436 \$25.00 each



Elinco WH-1276. Low-noise,
capacitor-run reversible 115Vac,
0.2A, continuous-duty motor
with a 5mm dia. x 10mm toothed
shaft designed to mate with a
gear head. 1450 RPM.
61mm square mounting
plate with four holes. Motor
is 61mm dia. x 66mm long. Three 10" leads. In-
cludes 2.0 uF 300V capacitor & hook-up instructions.
CAT# ACM-276 \$16.00 each

