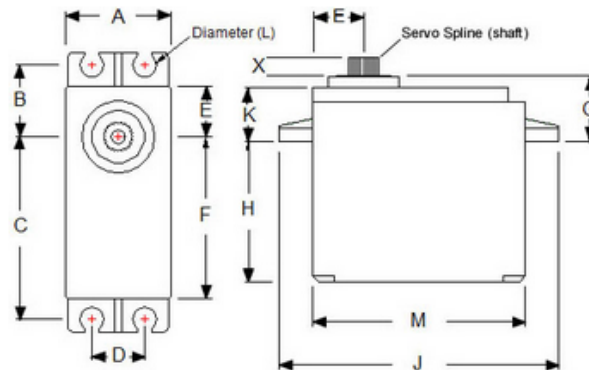




SER0002

SPECIFICATION

- Control System: +Pulse Width Control 1500usec Neutral
- Required Pulse: 3-5 Volt Peak to Peak Square Wave
- Operating Voltage: 4.8-6.0 Volts
- Operating Temperature Range: -20 to +60 Degree C
- Operating Speed (4.8V): 0.21sec/60° at no load
- Operating Speed (6.0V): 0.16sec/60° at no load
- Stall Torque (4.8V): 45.82 oz/in. (3.3kg.cm)
- Stall Torque (6.0V): 56.93 oz/in. (4.1kg.cm)
- Operating Angle: 45 Deg. one side pulse traveling 400usec
- 360 Modifiable: Yes
- Direction: Clockwise/Pulse Traveling 1500 to 1900usec
- Current Drain (4.8V): 8mA/Idle and 150mA no load operating
- Current Drain (6.0V): 8.8mA/Idle and 180mA no load operating
- Dead Band Width: 8usec
- Motor Type: 3 Pole Ferrite
- Potentiometer Drive: Indirect Drive
- Bearing Type: Dual Oilite Bushing
- Gear Type: Nylon
- Connector Wire Length: 11.81" (300mm=11.81in)
- Dimensions: See Schematics
- Weight: 1.6oz (45.5g)



A	=	780°	(19.82mm=0.78in)
B	=	530°	(13.47mm=0.53in)
C	=	133°	(33.79mm=1.33in)
D	=	400°	(10.17mm=0.4in)
E	=	380°	(9.66mm=0.38in)
F	=	119°	(30.22mm=1.19in)
G	=	460°	(11.68mm=0.46in)
H	=	105°	(26.67mm=1.05in)
K	=	208°	(52.84mm=2.08in)
M	=	368°	(9.35mm=0.37in)
J	=	172°	(4.38mm=0.17in)
N	=	157°	(39.88mm=1.57in)
X	=	120°	(3.05mm=0.12in)