Mechanical Specifications
Mechanical travel 0° to +180° with stops
Frequency response 1,000Hz minimum
Rotational torque 0.025 – 0.110 N-m
Weight 35 grams (approx.)

Electrical Specifications
Mechanical input range 0° to +180°
Input voltage 5.0 V±0.25V DC
Input current 18mA maximum per output
36mA maximum total (both channels)
Sensor 0.25V – 4.75V for Analog at 5.0V input
5% – 95% duty cycle for PWM
Accuracy ±0.6% of full scale at room temperature
±0.9% of full scale over operating temperature range
Resolution Analog (continuous)

Environmental Specifications
Electromagnetic compatibility 100V/meter, 14kHz – 1GHz range
Vibration 10G peak, 20 – 2,000 Hz
Shock 50Gs, half sine pulse, 5 m sec duration
Side load 1kg for 1 million cycles
Operating temperature range -40°C to +85°C
Storage temperature range -55°C to +105°C

Note: All dimensions are shown in millimeters
Note 1: Shaft is positioned at 50% voltage output