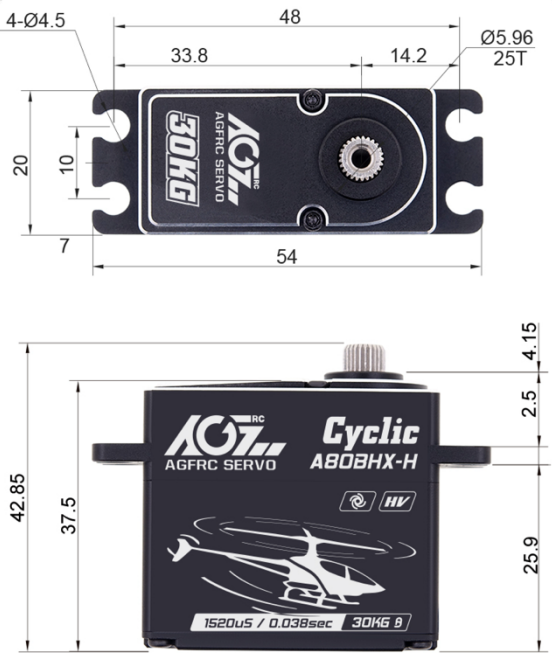


## A80BHX-H Cyclic

|                              |                                                                                                                                                                                                                                                                                           |                                                                                    |                                                                  |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <b>Control System</b>        | Pulse width modulation control                                                                                                                                                                                                                                                            |  |                                                                  |
| <b>Refresh Rate</b>          | 333Hz                                                                                                                                                                                                                                                                                     |                                                                                    |                                                                  |
| <b>Neutral Position</b>      | 1520μS                                                                                                                                                                                                                                                                                    |                                                                                    |                                                                  |
| <b>Signal Mode</b>           | Digital                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                  |
| <b>Dead band</b>             | 2 μSec                                                                                                                                                                                                                                                                                    |                                                                                    |                                                                  |
| <b>Operating Voltage</b>     | 4.8V ~ 8.4V                                                                                                                                                                                                                                                                               |                                                                                    |                                                                  |
| <b>Operating Temperature</b> | -15C° ~ +70C°                                                                                                                                                                                                                                                                             |                                                                                    |                                                                  |
| <b>Bearing</b>               | 3BB                                                                                                                                                                                                                                                                                       |                                                                                    |                                                                  |
| <b>Mechanical Angle</b>      | 220°                                                                                                                                                                                                                                                                                      |                                                                                    |                                                                  |
| <b>Size</b>                  | 40*20*37.5mm                                                                                                                                                                                                                                                                              |                                                                                    |                                                                  |
| <b>Net Weight</b>            | 79g                                                                                                                                                                                                                                                                                       |                                                                                    |                                                                  |
| <b>Wire</b>                  | TYU 300mm / 22AWG                                                                                                                                                                                                                                                                         |                                                                                    |                                                                  |
| <b>Operating Travel</b>      | 180°±10°                                                                                                                                                                                                                                                                                  |                                                                                    |                                                                  |
| <b>Signal Range</b>          | 500 to 2500 μSec                                                                                                                                                                                                                                                                          |                                                                                    |                                                                  |
| <b>Stall Torque</b>          | 22.0 kg-cm (306 oz-in) @ 4.8V<br>24.0 kg-cm (334 oz-in) @ 6.0V<br>28.0 kg-cm (389 oz-in) @ 7.4V<br>30.0 kg-cm (417 oz-in) @ 8.4V                                                                                                                                                          | <b>Unload Current</b>                                                              | 280mA @ 4.8V<br>310mA @ 6.0V<br>360mA @ 7.4V<br>400mA @ 8.4V     |
| <b>Operating Speed</b>       | 0.060sec/ 60° @ 4.8V<br>0.050sec/60° @ 6.0V<br>0.042sec/60° @ 7.4V<br>0.038sec/60° @ 8.4V                                                                                                                                                                                                 | <b>Loading Current</b>                                                             | 5000mA @ 4.8V<br>5200mA @ 6.0V<br>5400mA @ 7.4V<br>5600mA @ 8.4V |
| <b>Direction</b>             | <input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW                                                                                                                                                                                                                       |                                                                                    |                                                                  |
| <b>Waterproof Level</b>      | <input type="checkbox"/> IP65 <input type="checkbox"/> IP67                                                                                                                                                                                                                               |                                                                                    |                                                                  |
| <b>Angle Sensor</b>          | <input checked="" type="checkbox"/> Potentiometer <input type="checkbox"/> Magnet Angle Sensor                                                                                                                                                                                            |                                                                                    |                                                                  |
| <b>Motor Type</b>            | <input checked="" type="checkbox"/> Brushless <input type="checkbox"/> Coreless <input type="checkbox"/> DC                                                                                                                                                                               |                                                                                    |                                                                  |
| <b>Motor Drive</b>           | <input checked="" type="checkbox"/> FET Drive <input type="checkbox"/> IC Drive <input type="checkbox"/> Transistor Drive                                                                                                                                                                 |                                                                                    |                                                                  |
| <b>Programmable</b>          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                                                                                                                                       |                                                                                    |                                                                  |
| <b>Gear Material</b>         | <input checked="" type="checkbox"/> Strength Steel <input checked="" type="checkbox"/> Titanium <input type="checkbox"/> Copper <input type="checkbox"/> Plastic                                                                                                                          |                                                                                    |                                                                  |
| <b>Horn Gear Spline</b>      | <input checked="" type="checkbox"/> 25T-φ5.92mm <input type="checkbox"/> 25T-φ4.94mm <input type="checkbox"/> Other _____                                                                                                                                                                 |                                                                                    |                                                                  |
| <b>Case Material</b>         | <input checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Aluminum + Plastic <input type="checkbox"/> Plastic                                                                                                                                                                 |                                                                                    |                                                                  |
| <b>Bearing Material</b>      | <input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic                                                                                                                                                                                                                |                                                                                    |                                                                  |
| <b>Horn Accessories</b>      | <input type="checkbox"/> AL6061T6 <input checked="" type="checkbox"/> Plastic                                                                                                                                                                                                             |                                                                                    |                                                                  |
| <b>Wire Color</b>            | Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown<br>Positive: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Red<br>Signal: <input type="checkbox"/> Grey <input checked="" type="checkbox"/> White <input type="checkbox"/> Orange |                                                                                    |                                                                  |