



# PRODUCT SPECIFICATION

## A20BHS

<b>Control System</b>	Pulse width modulation control		
<b>Refresh Rate</b>	333Hz		
<b>Neutral Position</b>	1520 $\mu$ S		
<b>Signal Mode</b>	Digital		
<b>Dead band</b>	2 $\mu$ Sec		
<b>Operating Voltage</b>	4.8V ~ 8.4V		
<b>Operating Temperature</b>	-15C°~ +70C°		
<b>Bearing</b>	Double Ball Bearings		
<b>Mechanical Angle</b>	No Limit		
<b>Size</b>	23*12*27.5mm		
<b>Net Weight</b>	21g		
<b>Wire</b>	TYU 180mm / 26AWG		
<b>Operating Travel</b>	180° $\pm$ 10°		
<b>Signal Range</b>	500 to 2500 $\mu$ Sec		
<b>Stall Torque</b>	6.50 kg-cm (90 oz-in) @ 4.8V 7.80 kg-cm (108 oz-in) @ 6.0V 9.20 kg-cm (127 oz-in) @ 7.4V 10.40 kg-cm (144 oz-in) @ 8.4V		<b>Unload Current</b> 150mA @ 4.8V 180mA @ 6.0V 240mA @ 7.4V 300mA @ 8.4V
<b>Operating Speed</b>	0.085sec/ 60° @ 4.8V 0.075sec/60° @ 6.0V 0.062sec/60° @ 7.4V 0.055sec/60° @ 8.4V		<b>Loading Current</b> 1900mA @ 4.8V 2200mA @ 6.0V 2600mA @ 7.4V 3000mA @ 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Gear Material</b>	<input checked="" type="checkbox"/> Strength Steel <input type="checkbox"/> Titanium <input type="checkbox"/> Copper <input type="checkbox"/> Plastic		
<b>Horn Gear Spline</b>	<input type="checkbox"/> 25T- $\phi$ 5.92mm <input checked="" type="checkbox"/> 25T- $\phi$ 4.94mm <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 Positive: <input type="checkbox"/> Black <input checked="" type="checkbox"/> Red Signal: <input type="checkbox"/> Grey <input checked="" type="checkbox"/> White <input type="checkbox"/> Orange		

UNIT:MM