

PRODUCT SPECIFICATION

A80BHSW V2

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520uS		
Signal Mode	Digital		
Dead band	2 uSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C°~ +70C°		
Bearing	Three Bearings		
Mechanical Angle	No Limit		
Size	40*20*37.2mm		
Net Weight	79g		
Wire	TYU 300mm / 22AWG		
Operating Travel	180° ± 10°		
Signal Range	500 to 2500 uSec		
Stall Torque	23 kg-cm (319 oz-in) @ 4.8V 28 kg-cm (389 oz-in) @ 6.0V 33 kg-cm (458 oz-in) @ 7.4V 36 kg-cm (500 oz-in) @ 8.4V	Unload Current	280mA @ 4.8V 310mA @ 6.0V 360mA @ 7.4V 400mA @ 8.4V
Operating Speed	0.120sec/60° @ 4.8V 0.110sec/60° @ 6.0V 0.083sec/60° @ 7.4V 0.071sec/60° @ 8.4V	Loading Current	3600mA @ 4.8V 4000mA @ 6.0V 4300mA @ 7.4V 4600mA @ 8.4V
Direction	<input checked="" type="checkbox"/> CCW	<input type="checkbox"/> CW	
Waterproof Level	<input type="checkbox"/> IP65	<input checked="" type="checkbox"/> IP67	
Angle Sensor	<input type="checkbox"/> Potentiometer	<input checked="" type="checkbox"/> Magnet Angle Sensor	
Motor Type	<input checked="" type="checkbox"/> Brushless	<input type="checkbox"/> Coreless	<input type="checkbox"/> DC
Motor Drive	<input checked="" type="checkbox"/> FET Drive	<input type="checkbox"/> IC Drive	<input type="checkbox"/> Transistor Drive
Programmable	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Gear Material	<input checked="" type="checkbox"/> Strength Steel	<input type="checkbox"/> Titanium	<input type="checkbox"/> Copper <input type="checkbox"/> Plastic
Horn Gear Spline	<input checked="" type="checkbox"/> 25T-φ5.92mm	<input type="checkbox"/> 25T-φ4.94mm	<input type="checkbox"/> Other_____
Case Material	<input checked="" type="checkbox"/> AL6061T6	<input type="checkbox"/> AL+Plastic	<input type="checkbox"/> Plastic
Bearing Material	<input checked="" type="checkbox"/> Metal	<input type="checkbox"/> Plastic	
Horn Accessories	<input type="checkbox"/> AL6061T6	<input checked="" type="checkbox"/> Plastic	
Wire Color	Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown	<input type="checkbox"/> Red <input type="checkbox"/> Orange	
	Positive: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Red	<input type="checkbox"/> White	
	Signal: <input checked="" type="checkbox"/> Grey <input type="checkbox"/> White		

