

PRODUCT SPECIFICATION

A280BHMW

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	Five Ball Bearings		
Mechanical Angle	No Limit		
Size	65.8*30.0*59.0mm		
Net Weight	284.8g		
Wire	TYU 300mm / 22AWG		
Operating Travel	180° ±10°		
Signal Range	500 to 2500 uSec		
Stall Torque	48.0 kg-cm (667 oz-in) @ 4.8V 58.0 kg-cm (806 oz-in) @ 6.0V 66.0 kg-cm (917 oz-in) @ 7.4V 78.0 kg-cm (1084 oz-in) @ 8.4V	Unload Current	550 mA @ 4.8V 600 mA @ 6.0V 700 mA @ 7.4V 820 mA @ 8.4V
Operating Speed	0.126 sec/ 60° @ 4.8V 0.110 sec/60° @ 6.0V 0.095 sec/60° @ 7.4V 0.082 sec/60° @ 8.4V	Loading Current	8800 mA @ 4.8V 9800 mA @ 6.0V 10500 mA @ 7.4V 11000 mA @ 8.4V
Direction	<input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW		
Waterproof Level	<input type="checkbox"/> IP65 <input checked="" type="checkbox"/> IP67		
Servo Mode	<input checked="" type="checkbox"/> Regular Servo <input type="checkbox"/> Servo Winch <input type="checkbox"/> Multiple-Rotation Servo		
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 type="checkbox"/> 25T-φ5.92mm <input type="checkbox"/> 25T-φ4.94mm <input checked="" type="checkbox"/> Other 15T-φ7.8mm		
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 checked="" type="checkbox"/> AL6061T6 <input type="checkbox"/> Plastic		
Wire Color	Battery Negative:	<input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown	
	Battery Positive:	<input checked="" type="checkbox"/> Black <input type="checkbox"/> Red	
	Signal:	<input checked="" type="checkbox"/> Grey <input type="checkbox"/> White <input type="checkbox"/> Orange	