PRODUCT SPECIFICATION
A80BHMW 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 Ball Bearings			
Mechanical Angle	No Limit			
Size	40*20*37.5mm			
Net Weight	79g			
Wire	TYU 300mm / 22AWG			
Operating Travel	180°±10°			
Signal Range	500 to 2500 uSec			
Stall Torque	27 kg-cm (375 oz-in) @ 4.8V 31 kg-cm (430 oz-in) @ 6.0V 36 kg-cm (500 oz-in) @ 7.4V 40 kg-cm (556 oz-in) @ 8.4V	Unload Current	280mA @ 4.8V 320mA @ 6.0V 360mA @ 7.4V 400mA @ 8.4V	
Operating Speed	0.140sec/ 60° @ 4.8V 0.120sec/60° @ 6.0V 0.100sec/60° @ 7.4V 0.085sec/60° @ 8.4V	Loading Current	3600mA @ 4.8V 4000mA @ 6.0V 4300mA @ 7.4V 4600mA @ 8.4V	
Direction	☑ CCW	☑ CW		
Waterproof Level	☐IP65	☑IP67		
Angle Sensor	☐Potentiometer	☑Magnet Angle Sensor		
Motor Type	☑Brushless	☐Coreless	☐DC	
Motor Drive	☑FET Drive	☐IC Drive	☐Transistor Drive	
Programmable	☑ Yes	☐ No		
Gear Material	☑Strength Steel	☐Titanium	☐Copper	☐Plastic
Horn Gear Spline	☑25T-φ5.92mm	☐25T-φ4.94mm	☐Other_____	
Case Material	☑AL6061T6	☐AL+Plastic	☐Plastic	
Bearing Material	☑Metal	☐Plastic		
Horn Accessories	☐AL6061T6	☑Plastic		
Wire Color	Negative: ☑ Black ☐Brown Positive: ☑ Black ☐Red Signal: ☑Grey ☐ White ☐Orange			