



PRODUCT SPECIFICATION

A86BUMW

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520μS		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	7.4V ~ 17.0V		
Operating Temperature	-15C° ~ +70C°		
Bearing	3BB		
Mechanical Angle	No Limit		
Size	40*20*41.5mm		
Net Weight	90.5g		
Wire	TYU+JST 300mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 μSec		
Stall Torque	46.0 kg-cm (639 oz-in) @ 12.0V 55.0 kg-cm (764 oz-in) @ 14.4V 62.0 kg-cm (861 oz-in) @ 16.0V 66.0 kg-cm (917 oz-in) @ 16.8V	Unload Current 450 mA @ 12.0V 530 mA @ 14.4V 600 mA @ 16.0V 630 mA @ 16.8V	UNIT:MM
Operating Speed	0.130 sec/ 60° @ 12.0V 0.115 sec/60° @ 14.4V 0.108 sec/60° @ 16.0V 0.100 sec/60° @ 16.8V	Loading Current 4600 mA @ 12.0V 4900 mA @ 14.4V 5200 mA @ 16.0V 5500 mA @ 16.8V	
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"/> Aluminum + 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	Battery Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown Battery Positive: <input type="checkbox"/> Black <input checked="" type="checkbox"/> Red Signal: <input type="checkbox"/> Grey <input checked="" type="checkbox"/> White <input type="checkbox"/> Orange Signal Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> White <input type="checkbox"/> Orange		