



PRODUCT SPECIFICATION

A20CLS

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520 μ S		
Signal Mode	Digital		
Dead band	2 μ Sec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C°~ +70C°		
Bearing	Double Ball Bearings		
Mechanical Angle	No Limit		
Size	23*12*27.5mm		
Net Weight	21g		
Wire	TYU 190mm / 26AWG		
Operating Travel	180° \pm 10°		
Signal Range	500 to 2500 μ Sec		
Stall Torque	5.0 kg-cm (70 oz-in) @ 4.8V 5.8 kg-cm (80 oz-in) @ 6.0V 6.8 kg-cm (95 oz-in) @ 7.4V 7.5 kg-cm (104 oz-in) @ 8.4V	Unload Current	150mA @ 4.8V 180mA @ 6.0V 240mA @ 7.4V 300mA @ 8.4V
Operating Speed	0.13sec/60° @ 4.8V 0.11sec/60° @ 6.0V 0.09sec/60° @ 7.4V 0.08sec/60° @ 8.4V	Loading Current	1600mA @ 4.8V 2000mA @ 6.0V 2200mA @ 7.4V 2400mA @ 8.4V
Direction	<input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW		
Waterproof Level	<input type="checkbox"/> IP65 <input type="checkbox"/> IP67		
Angle Sensor	<input checked="" type="checkbox"/> Potentiometer <input type="checkbox"/> Magnet Angle Sensor		
Motor Type	<input type="checkbox"/> Brushless <input checked="" 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- ϕ 5.92mm <input checked="" type="checkbox"/> 25T- ϕ 4.94mm <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	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