



PRODUCT SPECIFICATION

A19DLM

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520µS		
Signal Mode	Digital		
Dead band	3 µSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C°~ +70C°		
Bearing	Double Ball Bearings		
Mechanical Angle	No Limit		
Size	22.9*12.8*22mm		
Net Weight	19g		
Wire	TYU 350mm / 26AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 µSec		
Stall Torque	2.2 kg-cm (30 oz-in) @ 4.8V 3.0 kg-cm (41 oz-in) @ 6.0V 3.5 kg-cm (48 oz-in) @ 7.4V 4.0 kg-cm (55 oz-in) @ 8.4V	Unload Current	180mA @ 4.8V 200mA @ 6.0V 240mA @ 7.4V 280mA @ 8.4V
Operating Speed	0.130sec/60° @ 4.8V 0.110sec/60° @ 6.0V 0.095sec/60° @ 7.4V 0.088sec/60° @ 8.4V	Loading Current	800mA @ 4.8V 900mA @ 6.0V 1000mA @ 7.4V 1200mA @ 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 type="checkbox"/> Brushless	<input type="checkbox"/> Coreless	<input checked="" type="checkbox"/> DC
Motor Drive	<input type="checkbox"/> FET Drive	<input checked="" type="checkbox"/> IC Drive	<input type="checkbox"/> Transistor Drive
Programmable	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Gear Material	<input type="checkbox"/> Strength Steel	<input checked="" type="checkbox"/> Titanium	<input checked="" type="checkbox"/> Copper <input type="checkbox"/> Plastic
Horn Gear Spline	<input checked="" type="checkbox"/> 25T-φ5.92mm	<input type="checkbox"/> 5T-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	Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown Positive: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Red Signal: <input checked="" type="checkbox"/> Grey <input type="checkbox"/> White	<input type="checkbox"/> Orange	

UNIT:MM