PRODUCT SPECIFICATION

A53BULW

Control System	Pulse width modulation control
Refresh Rate	333Hz
Neutral Position	1520uS
Signal Mode	Digital
Dead band	2 uSec
Operating Voltage	7.4V ~ 17.0V
Operating Temperature	-15C°~ +70C°
Bearing	Double Bearings
Mechanical Angle	No Limit
Size	40.8*20.2*30.2mm
Net Weight	66.5g
Wire	TYU+JST 300mm / 22AWG
Operating Travel	180°±10°
Signal Range	500 to 2500 uSec
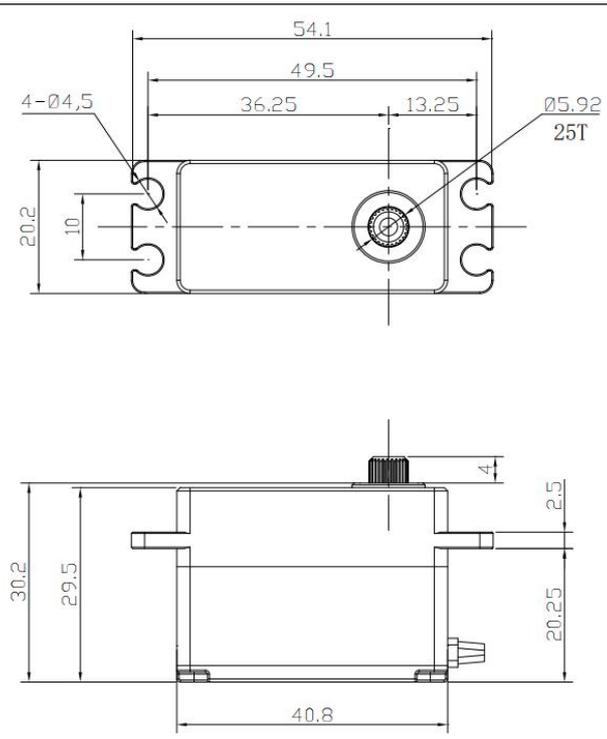
Stall Torque	26.0 kg-cm (361 oz-in) @ 12.0V 26.6 kg-cm (369 oz-in) @ 12.6V 30.0 kg-cm (417 oz-in) @ 14.4V 33.0 kg-cm (458 oz-in) @ 16.0V 34.0 kg-cm (472 oz-in) @ 16.8V	Unload Current	320 mA @ 12.0V 340 mA @ 12.6V 380 mA @ 14.4V 430 mA @ 16.0V 480 mA @ 16.8V
Operating Speed	0.105 sec/60° @ 12.0V 0.100 sec/60° @ 12.6V 0.092 sec/60° @ 14.4V 0.085 sec/60° @ 16.0V 0.080 sec/60° @ 16.8V	Loading Current	3200 mA @ 12.0V 3300 mA @ 12.6V 3700 mA @ 14.4V 4100 mA @ 16.0V 4400 mA @ 16.8V

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		