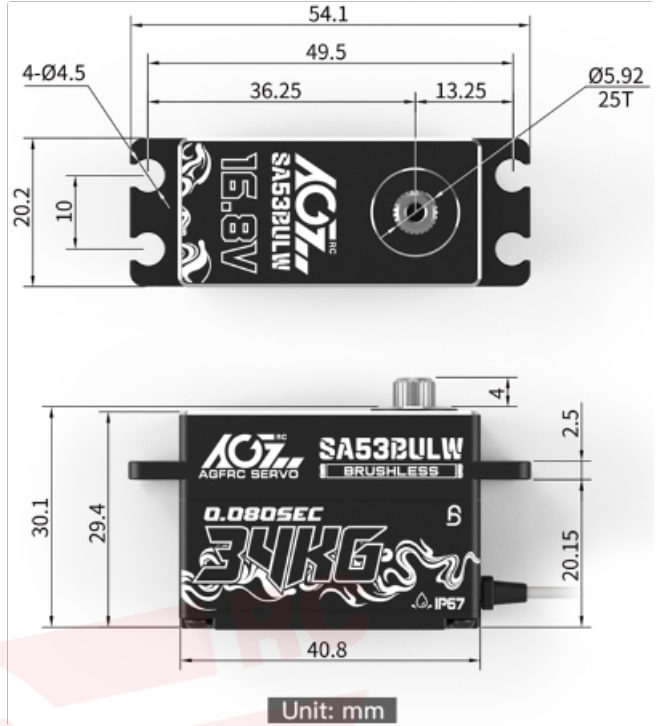


SA53BULW

Control System	PWM		
Refresh Rate	333 Hz		
Neutral Position	1520 µSec		
Signal Mode	Digital		
Dead band	2 µSec		
Operating Voltage	7.4V ~ 17.0V		
Operating Temp.	-15°C ~ +70°C		
Bearing	2BB		
Mechanical Angle	No Limit		
Dimension	40.8 x 20.2 x 30.1 mm		
Net Weight	66.5 g		
Connector / Cable	TYU+JST 300 mm / 22AWG		
Operating Travel	180° ± 10°		
Signal Range	500 to 2500 µSec		
Operating Speed	Stall Torque	Unload Current	Loading Current
0.122 sec/60° @ 10.0V	22.0 kg-cm (306 oz-in) @ 10.0V	250 mA @ 10.0V	2800 mA @ 10.0V
0.112 sec/60° @ 11.1V	24.0 kg-cm (333 oz-in) @ 11.1V	280 mA @ 11.1V	3000 mA @ 11.1V
0.105 sec/60° @ 12.0V	26.0 kg-cm (361 oz-in) @ 12.0V	320 mA @ 12.0V	3200 mA @ 12.0V
0.100 sec/60° @ 12.6V	26.6 kg-cm (369 oz-in) @ 12.6V	340 mA @ 12.6V	3300 mA @ 12.6V
0.092 sec/60° @ 14.4V	30.0 kg-cm (417 oz-in) @ 14.4V	380 mA @ 14.4V	3700 mA @ 14.4V
0.085 sec/60° @ 16.0V	33.0 kg-cm (458 oz-in) @ 16.0V	430 mA @ 16.0V	4100 mA @ 16.0V
0.080 sec/60° @ 16.8V	34.0 kg-cm (472 oz-in) @ 16.8V	480 mA @ 16.8V	4400 mA @ 16.8V
Direction	CCW	Motor Type	Brushless
Waterproof Level	IP67	Angle Sensor	Magnetic Angle
Programmable	Yes	Motor Drive	FET Drive
Gear Material	Strength Steel + Titanium	Horn Gear Spline	25T-Ø5.92mm
Case Material	Aluminum	Bearing Material	Metal
Wire Color (- + S)	Negative: ● Positive: ● Signal Negative: ● Signal: ●		
Default Accessories	① 1 pc x JST Male to XH2.5 4P Female, 20AWG Silicone, 10cm ② 1 pc x JST Male to XH2.5 5P Female, 20AWG Silicone, 10cm ③ 1 pc x 25T-Ø5.92mm Metal Horn ④ 3 pcs x 25T-Ø5.92mm Plastic Horns ⑤ 4 pcs x M3*12mm Screws ⑥ 2 pcs x M2*8mm Screws ⑦ 1 pc x M3*8mm Screws ⑧ 4 pcs x Ø6*Ø3.5Ø5mm Copper Sleeves ⑨ 4 pcs x 9*6.5*5.6mm Rubber Pads		