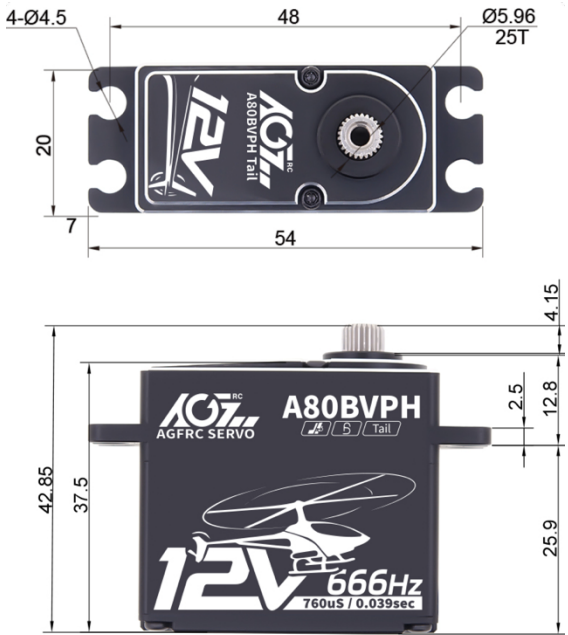


A80BVPH Tail

Control System	Pulse width modulation control		
Refresh Rate	666Hz		
Neutral Position	760μS		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	10V ~ 14.4V		
Operating Temperature	-15C° ~ +70C°		
Bearing	3BB		
Mechanical Angle	220°		
Size	40*20*37.5mm		
Net Weight	79g		
Wire	TYU 300mm / 22AWG		
Operating Travel	90°±5°		
Signal Range	452 to 1072 μSec		
Stall Torque	13.0 kg-cm (180 oz-in) @ 10.0V 15.0 kg-cm (208 oz-in) @ 11.1V 18.0 kg-cm (250 oz-in) @ 12.0V 20.0 kg-cm (278 oz-in) @ 12.6V	Unload Current	250mA @ 10.0V 300mA @ 11.1V 350mA @ 12.0V 380mA @ 12.6V
Operating Speed	0.056sec/ 60° @ 10.0V 0.050sec/60° @ 11.1V 0.043sec/60° @ 12.0V 0.039sec/60° @ 12.6V	Loading Current	2400mA @ 10.0V 2800mA @ 11.1V 3300mA @ 12.0V 3500mA @ 12.6V
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 ☐ Aluminum + Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☐ AL6061T6 ☒ Plastic		
Wire Color	Negative: ☒ Black ☐ Brown Positive: ☒ Black ☐ Red Signal: ☐ Grey ☒ White ☐ Orange		