


# **AHLS-1510HTG+HV / Low Profile Full HV Servo+HS+TG**

## **(High Torque/Speed)**

Control System	Positive PWM control 1500 usec Neutral	
Operating Voltage Range	6.0V ~ 8.4V	
Operating Temperature Range	-20C° ~ +90C° (-4°F ~ 194°F)	
Test Voltage:	<b>Stall Torque</b>	<b>Motion Speed</b>
At 6.0V	10.1kg/cm , 129 oz/in	0.15sec / 60 deg at no load
At 7.4V	13.5 kg/cm , 168 oz/in	0.13 sec / 60 deg at no load
At 8.4V	15.2kg/cm , 192 oz/in	0.10 sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	330mA at no load	345mA at no load
Stall Current	920mA	1050mA
Dead band width	2 usec	2 usec
Operation Travel	45°/ one side pulse travel 400 usec	
Direction	Re-clock wise/ Pulse Travel 1500 to 2000 usec	
Motor Type	Japan Brushless motor	
Potentiometer Type	4 Slider/indirect drive	
Amplifier Type	6A Treble Power MOS-FET	
Dimensions	41 x 21.0 x 27.6 mm / 1.61 x 0.82 x 0.98 inch.	
Weight:	42grams / 1.29oz without splined horn	
Ball Bearing	Dual / M10x6	
Gear Material	Titanium Gears	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	300mm (9.85inch)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	22AWG	
Wire Info (Black)	- Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	
<b>Spare Parts Items</b>		
Servo Gear Set	<#10706> AHLS-1510HTG+HV(Metal Gears)	
Servo Case Set	<#10707> AHLS-1510HTG+HV(Outside case)	
Servo Accessories	<#10708> AHBS-1510HTG+HV(Accessories - Horn & screws & rubber )	

Version: 1.1

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