


ADS-590HTG+HV / Alloy Case Digital Torque/Speed Slim Wing Servo

(Titanium alloy gear)

Control System	Positive PWM control 1500 usec Neutral	
Operation Voltage Range	4.8V ~ 6.0V	
Operation Temperature Range	-20C° ~ +95C° (-4°F ~ 205°F)	
Test Voltage:	At 4.8V (Ni-cd)	At 6.0V (Ni-cd)
Torque	6.0kg/cm , 98 oz/in	7.0kg/cm , 110 oz/in
Speed	0.15 sec / 60° at no load	0.12 sec / 60° at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	380mA at no load	420mA at no load
Stall Current	1240 mA	1400 mA
Dead band width	2 usec	2 usec
Operation Travel	45°/ one side pulse travel 500 usec	
Direction	Re-clock wise/ Pulse Travel 1500 to 2000 usec	
Motor Type	NdFeB 3 pole motor	
Potentiometer Type	6 Slider/indirect drive	
Amplifier Type	Digital Control & Double 5A MOS-FET	
Dimensions	30.00 x 10.00 x 34.00mm / 1.18" x 0.39" x 1.33"inch	
Weight:	28.0 grams	
Ball Bearing	One Ball bearing on the top	
Gear Material	Titanium Final Gear & Metal Gears	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	290mm (10.62in)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	22AWG	
Wire Info (Black)	- Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	
Spare Parts Items		
Servo Gear Set	<#10712> ADS-590HTG (Metal Gears)	
Servo Case Set	<#10713> ADS-590HTG (Outside case)	
Servo Accessories	<#10714> ADS-590HTG(Accessories - Horn & screws & rubber)	

Version: 1.1

Update: 2012/5/21