


# ADS-962HTG / Full Size Racing Digital Servo + TG (High Speed)

Control System	Positive PWM control 1500 usec Neutral	
Operation Voltage Range	4.8V ~ 6.0V	
Operation Temperature Range	-20C° ~ +60C° (-4°F ~ 140°F)	
Test Voltage:	<b>At 4.8V (Ni-cd)</b>	<b>At 6.0V (Ni-cd)</b>
Stall Torque	9.2kg/cm , 126oz/in	10.6kg/cm , 135oz/in
Standing Torque	10.2kg/cm , 130oz/in	11.2kg/cm , 146oz/in
Speed	0.11sec / 60 deg at no load	0.09sec / 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	40°/ one side pulse travel 400 usec	
Direction	Re-clock wise/ Pulse Travel 1500 to 2000 usec	
Motor Type	High Response Coreless Motor	
Potentiometer Type	4 Slider/indirect drive	
Amplifier Type	Digital Control & Double 2A Transistors	
Dimensions	39.0 x 19 x 38.5 mm / 1.56 x 0.74 x 1.54 in.	
Weight:	48grams / 1.59oz without splined horn	
Ball Bearing	Dual / M10x6	
Gear Material	Metal Gear	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	200mm (7.65inch)	
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	<#10706> ADS-962HTG(Metal Gears)	
Servo Case Set	<#10707> ADS-962HTG(Outside case)	
Servo Accessories	<#10708> ADS-962HTG(Accessories - Horn & screws & rubber )	

