


AAS-780MG / High Performance Race Servo (Ultra High Torque)

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:	At 4.8V (Ni-cd)	At 6.0V (Ni-cd)
Torque	14.2kg/cm , 197 oz/in	16.1kg/cm , 218 oz/in
Speed	0.17sec / 60 deg at no load	0.15sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	360mA at no load	410mA at no load
Stall Current	950 mA	1050 mA
Dead band width	8 usec	8 usec
Operation Travel	40°/ one side pulse travel 400 usec	
Direction	Re-clock wise/ Pulse Travel 1500 to 1900 usec	
Motor Type	NdFeB 3 pole motor	
Potentiometer Type	4 Slider/indirect drive	
Amplifier Type	4A Double MOS-FET	
Dimensions	40.5 x 19 x 38.5 mm / 1.60 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> AAS-780MG (Metal Gears)	
Servo Case Set	<#10707> AAS-780MG(Outside case)	
Servo Accessories	<#10708> AAS-780MG(Accessories - Horn & screws & rubber)	

