


ADS-316HMG / 18g Digital Micro Servo(Ball Bearing) + Metal Gear & Heat Sink

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)
Stall Torque	2.4kg.cm (30oz-in)/5° holdout	3.5kg.cm (43oz-in)/5° holdout
Standing Torque	3.0kg.cm (35oz-in)/5° holdout	4.1kg.cm (51oz-in)/5° holdout
Speed	0.15 sec / 60 deg at no load	0.12sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	260mA at no load	275mA at no load
Stall Current	1040 mA	1120 mA
Dead band width	2 usec	2 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	6 Slider/indirect drive	
Amplifier Type	Digital Control & Double 2A Transistors	
Dimensions	29.5 x 13.0 x 30.0 mm / 1.10 x 0.52 x 1.12 inch	
Weight:	18.2 grams / 0.72oz	
Ball Bearing	One Ball bearing on the top	
Gear Material	Metal Gear	
Horn Gear Spline	Metal 25 Tooth (External diameter: 5.9mm)	
Connector Wire Length	160mm (6.29in)	
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	<#10308> ADS-316HMG(Metal Gears)	
Servo Case Set	<#10310> ADS-316HMG(Outside case)	
Servo Accessories	<#10311> ADS-316HMG(Accessories - Horn & screws & rubber)	

