


AAS-309BB / 9g Micro Servo (Ball Bearing)

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	1.4kg.cm (20oz-in)	1.7kg.cm (23oz-in)
Standing Torque	1.8kg.cm (24oz-in)/5° holdout	2.0kg.cm (25oz-in)/5° holdout
Speed	0.12 sec / 60 deg at no load	0.10 sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	255mA at no load	265mA at no load
Stall Current	840mA	960mA
Dead band width	6 usec	6 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	Analog Control & Double 2A Transistors	
Dimensions	23.5 x 12.5 x 22.5 mm / 0.94 x 0.50 x 0.92 inch	
Weight:	9.6 grams / 0.38oz	
Ball Bearing	One Ball bearing on the top	
Gear Material	Carbon + 20% 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	<#10307>AAS-309BB(Plastic Gears)	
Servo Case Set	<#10309>AAS-309BB(Outside case)	
Servo Accessories	<#10311>AAS-309BB(Accessories - Horn & screws & rubber)	

