


AAS-303 / 3g Micro Servo

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	0.8kg.cm (12oz-in)	1.1kg.cm (15oz-in)
Standing Torque	1.0kg.cm (14.5oz-in)/5° holdout	1.3kg.cm (18.5oz-in)/5° holdout
Speed	0.12 sec / 60 deg at no load	0.11 sec / 60 deg at no load
Idle Current	2mA at stopped	2mA at stopped
Running Current	180mA at no load	190mA at no load
Stall Current	720mA	780mA
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	Coreless Metal Brush	
Potentiometer Type	6 Slider/indirect drive	
Amplifier Type	Analog Control & Double 2A Transistors	
Dimensions	21 x 8.5 x 20 mm (0.82 x 0.37 x 0.8 in)	
Weight:	3.4g(0.135oz) without splined horn	
Ball Bearing	None	
Gear Material	Carbon + 20% Gear	
Horn Gear Spline	19 Tooth (External diameter: 3.6mm)	
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	<#10301> AAS-303 (Plastic Gears)	
Servo Case Set	<#10303>AAS-303(Outside case)	
Servo Accessories	<#10304> AAS-303(Accessories - Horn & screws & rubber)	

