


## 6300 MG-A / 3g Micro Servo (MetalGear)

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	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
Electric Precision	1 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:	4.6g/0.16oz without splined horn	
Ball Bearing	None	
Gear Material	Metal Gear	
Horn Gear Spline	19 Tooth (External diameter: 3.6mm)	
Connector Wire Length	160mm (6.29in)	
Connector Wire Stand Counter	60EA	
Connector Wire Gauge	0.1mm <sup>2</sup>	
Wire Info (Black)	-Negative	
Wire Info (Red)	+ Positive	
Wire Info (White)	S Single	
<b>Spare Parts Items</b>		
Servo Gear Set	<#70302> 6300 Mg-A (Metal Gears)	
Servo Case Set	<#70303> 6300 MG-A (Outside case)	
Servo Accessories	<#70304> 6300 MG-A(Accessories -Horn & screws & rubber )	

