



**CYS Model Technology Co.,LTD**  
Add: No.290,Changma Road.Changping Town.Dongguan,Guangdong. CHINA  
Tel: +86 769 81091556 Fax:+86 769 81091557  
Email: info@cysmodel.com

## Specification Sheet

<b>Item No.</b>	CYS-S8203A(S8503)
<b>Type</b>	Digital
<b>Weight</b>	154g ± 1 g
<b>Size</b>	59.5*29.5*51.3mm
<b>Control System</b>	(+)Pulse Width Control 1500usec Neutral
<b>Required Pulse</b>	/
<b>Operating Voltage</b>	6.0~7.4Volts
<b>Operating Temperature Range</b>	(-)10 to +50 degree C
<b>Operating Speed (6.0V)</b>	0.22sec/60° at no load
<b>Operating Speed (7.4V)</b>	0.20sec/60° at no load
<b>Stall Torque (6.0V)</b>	26kg.cm
<b>Stall Torque (7.4V)</b>	30kg.cm
<b>Operating Angle</b>	45deg.one side pulse traveling 500 usec
<b>360 Modifiable</b>	No
<b>Direction</b>	Anticlockwise/Pulse Traveling 1000~2000usec
<b>Current Drain (6.0V)</b>	20mA/idle and 300mA no load operating
<b>Current Drain (7.4V)</b>	20mA/idle and 400mA no load operating
<b>Stall Current</b>	3.5A/3.9A
<b>Dead Band Width</b>	4usec
<b>Motor Type</b>	3 Pole Ferrite Drive
<b>Bearing Type</b>	Dual Ball Bearing
<b>Horn gear spline</b>	17T
<b>Gear Type</b>	Metal
<b>Connector Wire Length</b>	300mm
<b>Wire info</b>	Brown/Black = Negative
	Red = Positive
	Orange/White = Signal