



PRODUCT SPECIFICATION

B53CHN V2

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520µS		
Signal Mode	Digital		
Dead band	2 µSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15°C ~ +70°C		
Bearing	2BB		
Mechanical Angle	220°		
Size	40*20*37.2mm		
Net Weight	69g		
Wire	JR 360mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 µSec		
Stall Torque	12.0 kg-cm (166 oz-in) @ 4.8V 15.0 kg-cm (208 oz-in) @ 6.0V 18.0 kg-cm (250 oz-in) @ 7.4V 20.5 kg-cm (284 oz-in) @ 8.4V	Unload Current	280mA @ 4.8V 350mA @ 6.0V 400mA @ 7.4V 450mA @ 8.4V
Operating Speed	0.100sec/60° @ 4.8V 0.082sec/60° @ 6.0V 0.070sec/60° @ 7.4V 0.060sec/60° @ 8.4V	Loading Current	3000mA @ 4.8V 3300mA @ 6.0V 3800mA @ 7.4V 4200mA @ 8.4V
Direction	<input checked="" type="checkbox"/> CCW <input type="checkbox"/> CW		
Waterproof Level	<input type="checkbox"/> IP65 <input type="checkbox"/> IP67		
Angle Sensor	<input checked="" type="checkbox"/> Potentiometer <input type="checkbox"/> Magnet Angle Sensor		
Motor Type	<input type="checkbox"/> Brushless <input checked="" type="checkbox"/> Coreless <input type="checkbox"/> DC		
Motor Drive	<input checked="" type="checkbox"/> FET Drive <input type="checkbox"/> IC Drive <input type="checkbox"/> Transistor Drive		
Programmable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Gear Material	<input checked="" type="checkbox"/> Strength Steel <input type="checkbox"/> Titanium <input type="checkbox"/> Copper <input type="checkbox"/> Plastic		
Horn Gear Spline	<input checked="" type="checkbox"/> 25T-φ5.92mm <input type="checkbox"/> 25T-φ4.94mm <input type="checkbox"/> Other_____		
Case Material	<input type="checkbox"/> AL6061T6 <input checked="" type="checkbox"/> Aluminum + Plastic <input type="checkbox"/> Plastic		
Bearing Material	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic		
Horn Accessories	<input type="checkbox"/> AL6061T6 <input checked="" type="checkbox"/> Plastic		
Wire Color	Negative: <input checked="" type="checkbox"/> Black <input type="checkbox"/> Brown Positive: <input type="checkbox"/> Black <input checked="" type="checkbox"/> Red Signal: <input type="checkbox"/> Grey <input checked="" type="checkbox"/> White <input type="checkbox"/> Orange		

UNIT:MM