



PRODUCT SPECIFICATION

RSB33HLW

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520uS		
Signal Mode	Digital		
Dead band	2 uSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C° ~ +70C°		
Bearing	Double Ball Bearing		
Mechanical Angle	No Limit		
Size	40.8*20.2*29.5mm		
Net Weight	66g		
Wire	TYU 180mm / 22AWG		
Operating Travel	180° ± 10°		
Signal Range	500 to 2500 uSec		
Stall Torque	20 kg-cm (278 oz-in) @ 4.8V 25 kg-cm (347 oz-in) @ 6.0V 30 kg-cm (417 oz-in) @ 7.4V 33 kg-cm (458 oz-in) @ 8.4V	Unload Current	300mA @ 4.8V 350mA @ 6.0V 380mA @ 7.4V 420mA @ 8.4V
Operating Speed	0.110sec/60° @ 4.8V 0.090sec/60° @ 6.0V 0.080sec/60° @ 7.4V 0.068sec/60° @ 8.4V	Loading Current	3200mA @ 4.8V 3800mA @ 6.0V 4300mA @ 7.4V 4400mA @ 8.4V
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☒ IP67		
Angle Sensor	☐ Potentiometer ☒ Magnet Angle Sensor		
Motor Type	☒ Brushless ☐ Coreless ☐ DC		
Motor Drive	☒ FET Drive ☐ IC Drive ☐ Transistor Drive		
Programmable	☒ Yes ☐ No		
Gear Material	☒ Strength Steel ☐ Titanium ☐ Copper ☐ Plastic		
Horn Gear Spline	☒ 25T-φ5.92mm ☐ 25T-φ4.94mm ☐ Other_____		
Case Material	☒ AL6061T6 ☐ AL+Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☐ AL6061T6 ☒ Plastic		
Wire Color	Negative: ☒ Black ☐ Brown Positive: ☒ Black ☐ Red Signal: ☒ Grey ☐ White ☐ Orange		

