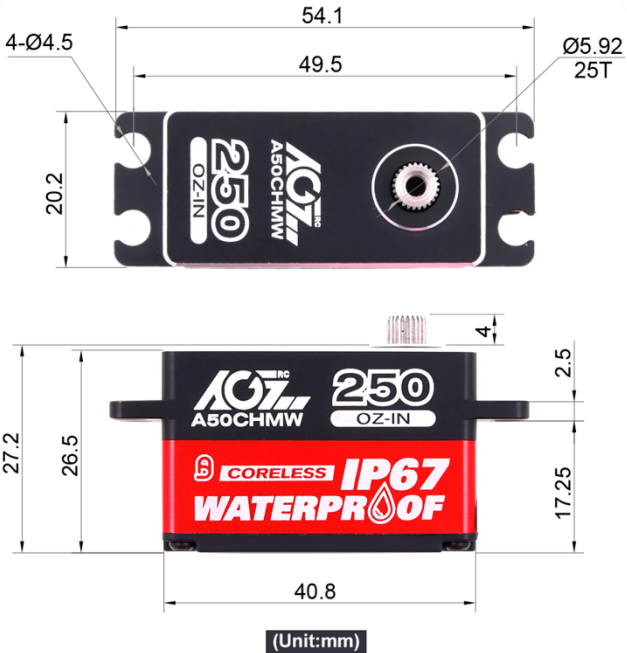


A50CHMW

Control System	Pulse width modulation control	 (Unit:mm)	
Refresh Rate	333Hz		
Neutral Position	1520µS		
Signal Mode	Digital		
Dead band	2 µSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C° ~ +70C°		
Bearing	2BB		
Mechanical Angle	No Limit		
Size	40.8*20.2*26.5mm		
Net Weight	50g		
Wire	JR 180mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 µSec		
Stall Torque	11 kg-cm (153 oz-in) @ 5.0V 13 kg-cm (181 oz-in) @ 6.0V 16 kg-cm (222 oz-in) @ 7.4V 18 kg-cm (250 oz-in) @ 8.4V	Unload Current	300mA @ 4.8V 350mA @ 6.0V 390mA @ 7.4V 430mA @ 8.4V
Operating Speed	0.14 sec/ 60° @ 5.0V 0.13 sec/60° @ 6.0V 0.12 sec/60° @ 7.4V 0.11 sec/60° @ 8.4V	Loading Current	2200mA @ 4.8V 2600mA @ 6.0V 3000mA @ 7.4V 3400mA @ 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 ☒ Aluminum + Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☐ AL6061T6 ☒ Plastic		
Wire Color	Negative: ☒ Black ☐ Brown Positive: ☒ Black ☐ Red Signal: ☒ Grey ☐ White ☐ Orange		