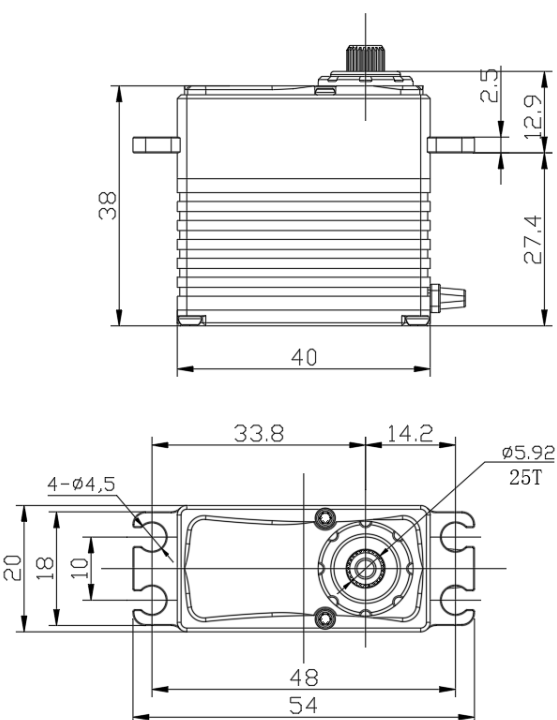




PRODUCT SPECIFICATION

RS880BS

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	Four Bearings		
Mechanical Angle	No Limit		
Size	40*20*38mm		
Net Weight	85g		
Wire	TYU 300mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 uSec		
Stall Torque	50 kg-cm (695 oz-in) @ 4.8V 62 kg-cm (861 oz-in) @ 6.0V 77 kg-cm (1070 oz-in) @ 7.4V 88 kg-cm (1223 oz-in) @ 8.4V	Unload Current	460mA @ 4.8V 500mA @ 6.0V 540mA @ 7.4V 580mA @ 8.4V
Operating Speed	0.230sec/ 60° @ 4.8V 0.200sec/60° @ 6.0V 0.165sec/60° @ 7.4V 0.150sec/60° @ 8.4V	Loading Current	5000mA @ 4.8V 5800mA @ 6.0V 6800mA @ 7.4V 7400mA @ 8.4V
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☐ IP67		
Angle Sensor	☒ Potentiometer ☐ Magnet Angle Sensor		
Motor Type	☒ 4-Pole 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		
s	Negative: ☒ Black ☐ Brown Positive: ☒ Black ☐ Red Signal: ☒ Grey ☐ White ☐ Orange		