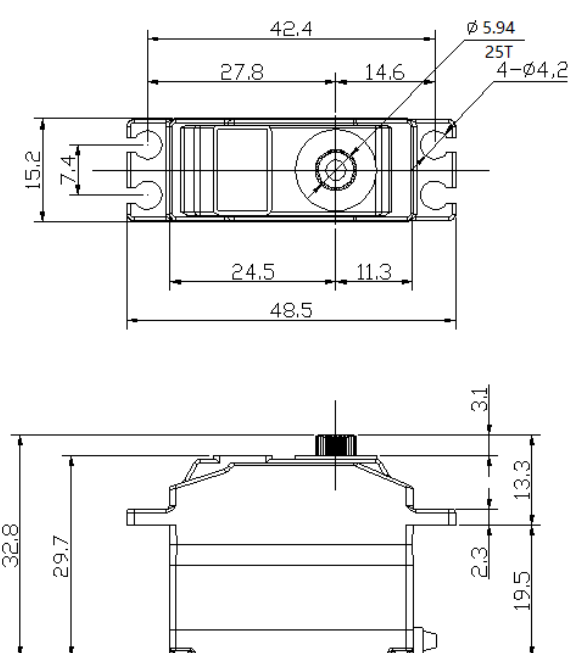


PRODUCT SPECIFICATION

RS105CM

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520uS		
Signal Mode	Digital		
Dead band	4 uSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C°~ +70C°		
Bearing	Double Bearings		
Mechanical Limit Angle	220°		
Size	36*15.2*29.7mm		
Net Weight	27.3g		
Wire	JR 180mm / 26AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 uSec		
Stall Torque	7.0 kg-cm (97 oz-in) @ 4.8V 8.5 kg-cm (118 oz-in) @ 6.0V 9.5 kg-cm (132 oz-in) @ 7.4V 10.5 kg-cm (145 oz-in) @ 8.4V	Unload Current	250mA @ 4.8V 350mA @ 6.0V 450mA @ 7.4V 500mA @ 8.4V
Operating Speed	0.105sec/ 60° @ 4.8V 0.095sec/60° @ 6.0V 0.085sec/60° @ 7.4V 0.080sec/60° @ 8.4V	Loading Current	1600mA @ 4.8V 2000mA @ 6.0V 2200mA @ 7.4V 2400mA @ 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		