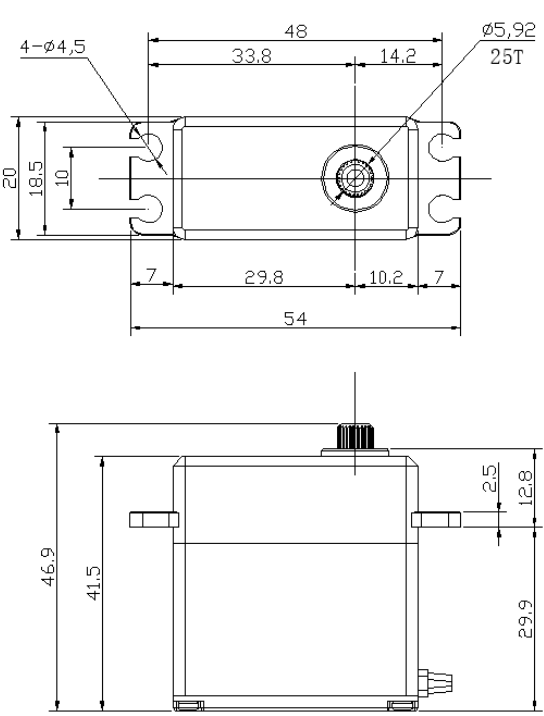




PRODUCT SPECIFICATION

RS42C12MW

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520uS		
Signal Mode	Digital		
Dead band	2 uSec		
Operating Voltage	10V ~ 13V		
Operating Temperature	-15C°~ +70C°		
Bearing	Double Ball Bearings		
Mechanical Angle	No Limit		
Size	40*20*41.5mm		
Net Weight	82g		
Wire	TYU + JST 300mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 uSec		
Stall Torque	39.0 kg-cm (542 oz-in) @ 11.1V 42.0 kg-cm (583 oz-in) @ 12.0V 45.0kg-cm (625 oz-in) @ 12.6V	Unload Current 480*mA @ 11.1V 550mA @ 12.0V 580mA @ 12.6V	
Operating Speed	0.105sec/ 60° @ 11.1V 0.093sec/60° @ 12.0V 0.090sec/60° @ 12.6V	Loading Current 4000mA @ 11.1V 4500mA @ 12.0V 4800mA @ 12.6V	
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☒ IP67		
Servo Mode	☒ Regular Servo ☒ Servo Winch ☐ Multiple-Rotation Servo		
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-ø5.92mm ☐ 25T-ø4.94mm ☐ Other_____		
Case Material	☒ AL6061T6 ☐ AL+Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☐ AL6061T6 ☒ Plastic		
Wire Color	Battery Negative: ☒ Black ☐ Brown Battery Positive: ☐ Black ☒ Red Signal Negative: ☒ Black ☐ White ☐ Orange Signal : ☐ Black ☒ White ☐ Orange		