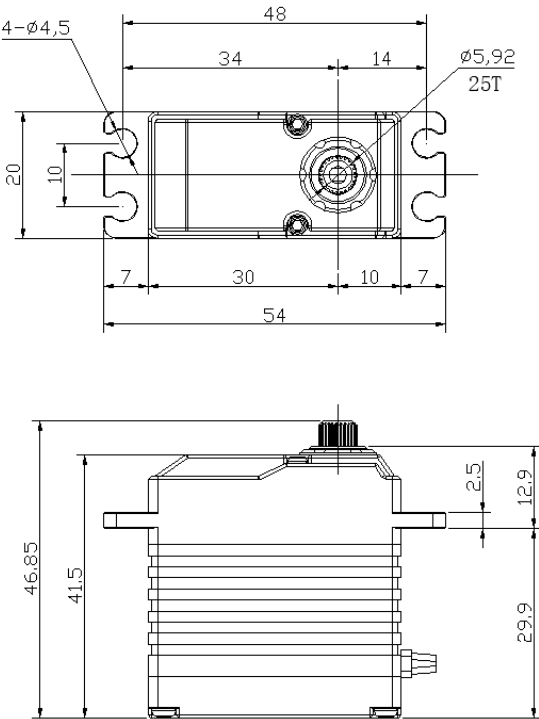




PRODUCT SPECIFICATION

RS70B12MW

Control System	Pulse width modulation control			
Refresh Rate	333Hz			
Neutral Position	1520uS			
Signal Mode	Digital			
Dead band	2 uSec			
Operating Voltage	7.4V ~ 17.0V			
Operating Temperature	-15C° ~ +70C°			
Bearing	Three Ball Bearings			
Mechanical Angle	No Limit			
Size	40*20*41.5mm			
Net Weight	90.5g			
Wire	TYU+JST 300mm / 22AWG			
Operating Travel	180°±10°			
Signal Range	500 to 2500 uSec			
Stall Torque	58.0 kg-cm (806 oz-in) @ 11.1V 65.0 kg-cm (903 oz-in) @ 12.0V 72.0 kg-cm (1000 oz-in) @ 14.4V 78.0 kg-cm (1084 oz-in) @ 16.0V 80.0 kg-cm (1112 oz-in) @ 16.8V		Unload Current 320 mA @ 11.1V 360 mA @ 12.0V 450 mA @ 14.4V 480 mA @ 16.0V 530 mA @ 16.8V	
Operating Speed	0.140 sec/60° @ 11.1V 0.125 sec/60° @ 12.0V 0.110 sec/60° @ 14.4V 0.100 sec/60° @ 16.0V 0.095 sec/60° @ 16.8V		Loading Current 4500 mA @ 11.1V 4600 mA @ 12.0V 5000 mA @ 14.4V 5200 mA @ 16.0V 5500 mA @ 16.8V	
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-φ5.92mm ☐ 25T-φ4.94mm ☐ 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			