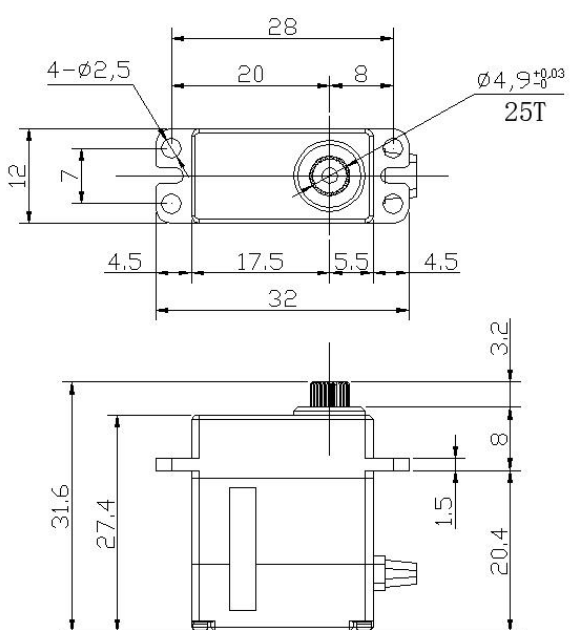




PRODUCT SPECIFICATION

RS114BM

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	Double Ball Bearings		
Mechanical Angle	No Limit		
Size	23*12*27.5mm		
Net Weight	21g		
Wire	TYU 180mm / 26AWG		
Operating Travel	180° ± 10°		
Signal Range	500 to 2500 uSec		
Stall Torque	7.20 kg-cm (100 oz-in) @ 4.8V 8.50 kg-cm (118 oz-in) @ 6.0V 10.20 kg-cm (142 oz-in) @ 7.4V 11.40 kg-cm (158 oz-in) @ 8.4V	Unload Current	150mA @ 4.8V 180mA @ 6.0V 240mA @ 7.4V 300mA @ 8.4V
Operating Speed	0.105sec/ 60° @ 4.8V 0.092sec/60° @ 6.0V 0.075sec/60° @ 7.4V 0.068sec/60° @ 8.4V	Loading Current	1900mA @ 4.8V 2200mA @ 6.0V 2600mA @ 7.4V 3000mA @ 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-ø5.92mm ☒ 25T-ø4.94mm ☐ 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		