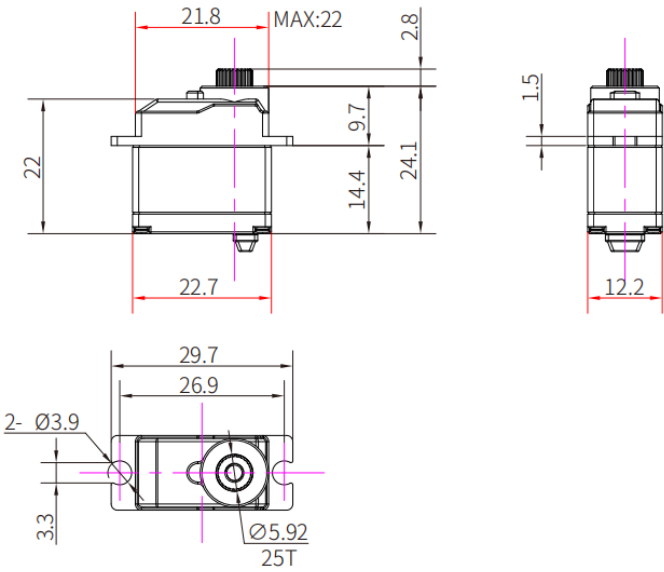




PRODUCT SPECIFICATION

RS40DM

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520uS		
Signal Mode	Digital		
Dead band	3 uSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C°~ +70C°		
Bearing	Double Bearing		
Mechanical Angle	No Limit		
Size	22.9*12.8*22mm		
Net Weight	19g		
Wire	TYU 350mm / 26AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 uSec		
Stall Torque	2.2 kg-cm (30 oz-in) @ 4.8V 3.0 kg-cm (41 oz-in) @ 6.0V 3.5 kg-cm (48 oz-in) @ 7.4V 4.0 kg-cm (55 oz-in) @ 8.4V	Unload Current	180mA @ 4.8V 200mA @ 6.0V 240mA @ 7.4V 280mA @ 8.4V
Operating Speed	0.130sec/ 60° @ 4.8V 0.110sec/60° @ 6.0V 0.095sec/60° @ 7.4V 0.088sec/60° @ 8.4V	Loading Current	800mA @ 4.8V 900mA @ 6.0V 1000mA @ 7.4V 1200mA @ 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		