

# DB778WP General Specification

# TARGET



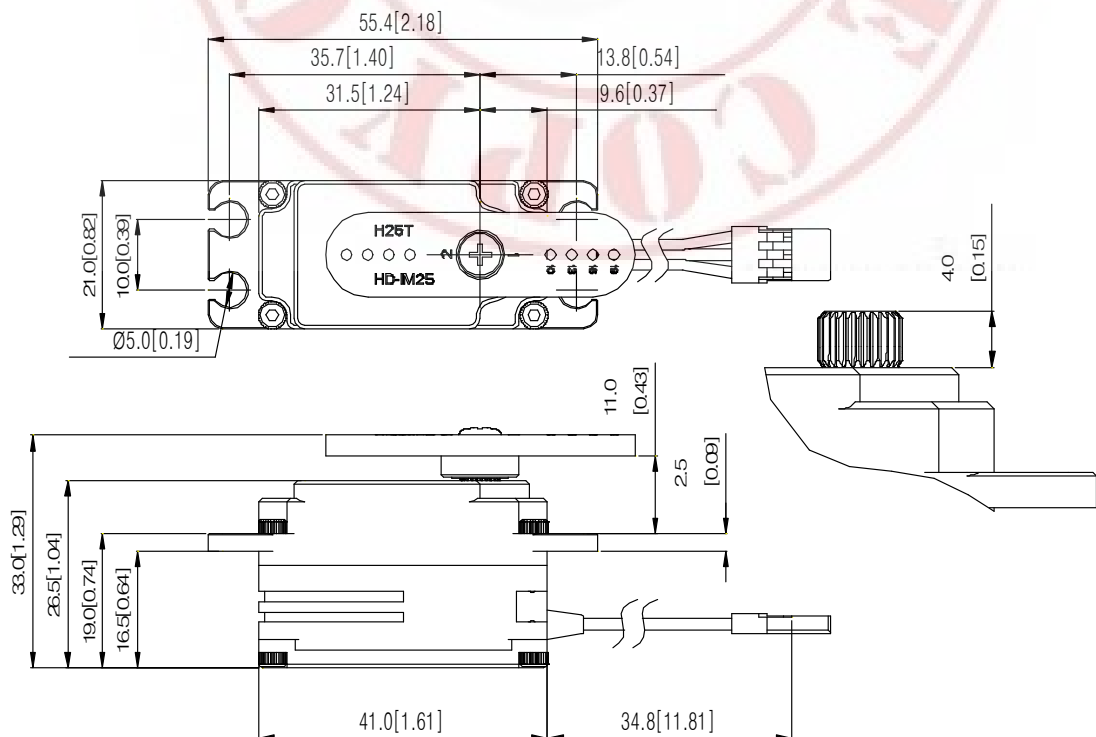
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*HIGH TORQUE BLDC WATERPROOF LOW-PROFILE SERVO*

Control system	PWM		-
Position sensor type	Contact Analog Potentiometer		-
Operating voltage range	6.0 ~ 7.4V		-
Motor type	BLDC		-
Voltage	-	6.0V	7.4V
No load speed	-	0.12sec/60°	0.10sec/60°
Stall torque	-	15.0kgfcm	18.0kgfcm
Standing current	-	28mA	28mA
No load running current	-	500mA	600mA
Stall current	-	4,500mA	5,500mA
Dead band width	-	1usec	1usec
Operating travel	±40° : 1,100 ~ 1,900usec, ±60° : 900 ~ 2,100usec		-
Operating temperature range	-20°C ~ +60°C (-4°F ~ +140°F)		-
Vibrations at no load	MIL-STD-810G 516.5		-
Storage temperature range	-30°C ~ +80°C (-31°F ~ +176°F)		-
Connector wire length	300mm ( 11.81 inch)		
Connector wire gauge	20AWG		
Dimensions	41.0 mm x 21.0 mm x 26.5 mm( 1.61inch x 0.82inch x 1.04inch)		-
Weight	70g( 2.47oz)		-
Ball bearing	Dual ball bearing		-
Case material	Aluminum Alloy		-
Gear material	5 Steel Gears		-
Gear train backlash	Max 0.5°		-
Horn gear spline	25T (25 Segment Ø6.0)		-
IP rating	IP68		-
Servo Amplifier type	32bit Programmable Digital		-
Features			
Applications			

2020-03-26



1:1 scale (unit : mm)

- This product should not be used directly on the human body for medical purposes.
- All specifications are subject to change without notice.



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