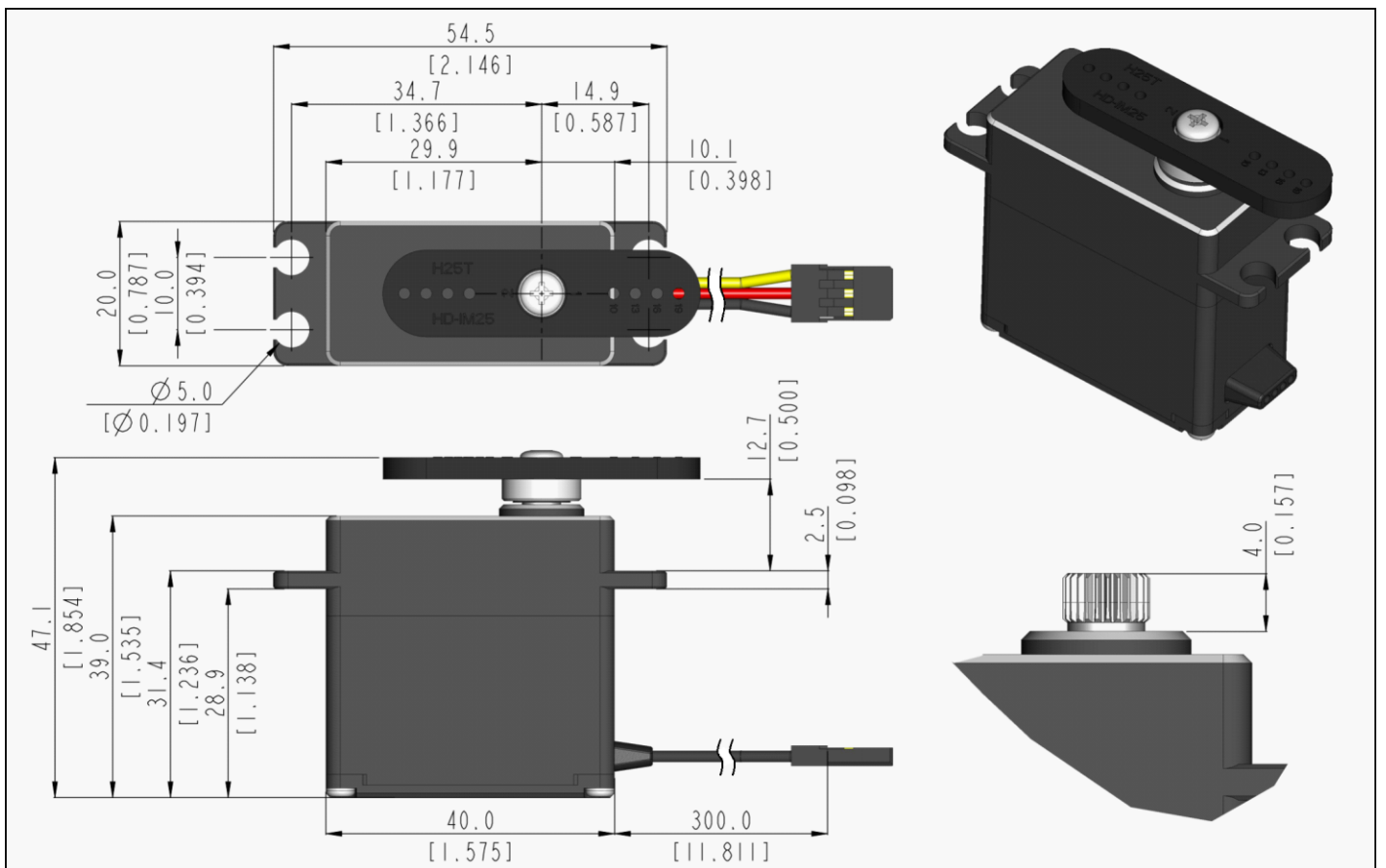


# DB961WP General Specification.



Control system	PWM		-
Position sensor type	Contact Analog Potentiometer		-
Motor type	BLDC		At the Max voltage, it is recommended to be used only for a short time duration.
Operating voltage range	4.0 ~ 8.4V		
Voltage	-	6.0V	7.4V
No load speed	-	0.18 sec/60°	0.15 sec/60°
Stall torque	-	55.0kgf·cm (763.81oz-in)	55.0kgf·cm (763.81oz-in)
Standing current	-	35mA	35mA
No load running current	-	500mA	500mA
Stall current	-	8,000mA	6,500mA
Dead band width	-	1us	1us
Operating travel	Default: ±60°, Programmable: Max 175° / Pulse Width: 900~2100µs(Center:1500µs)		-
Operating temperature range	-20°C ~ +60°C (-4°F ~ +140°F)		-
Vibrations at no load	MIL-STD-810G 514.6C-VII		-
Storage temperature range	-30°C ~ +80°C (-22°F ~ +176°F)		-
Connector wire length	300mm (11.811inch)		
Connector wire gauge	20AWG		
Dimensions	40.0mm x 20.0mm x 39.0mm (1.575inch x 0.787inch x 1.535inch)		General Tolerance ±0.1mm
Weight	90.0g (3.175oz)		Excluding the weight of Horn
Bearing Type	2 Ball Bearing		-
Case material	Rugged Aluminum Alloy		-
Gear material	5 Steel Gears		-
Gear train backlash	Max 0.5°		-
Horn gear spline	25T(Ø6)		-
IP rate	IP67		-
Servo Amplifier type	16bit programmable Digital		-



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.

