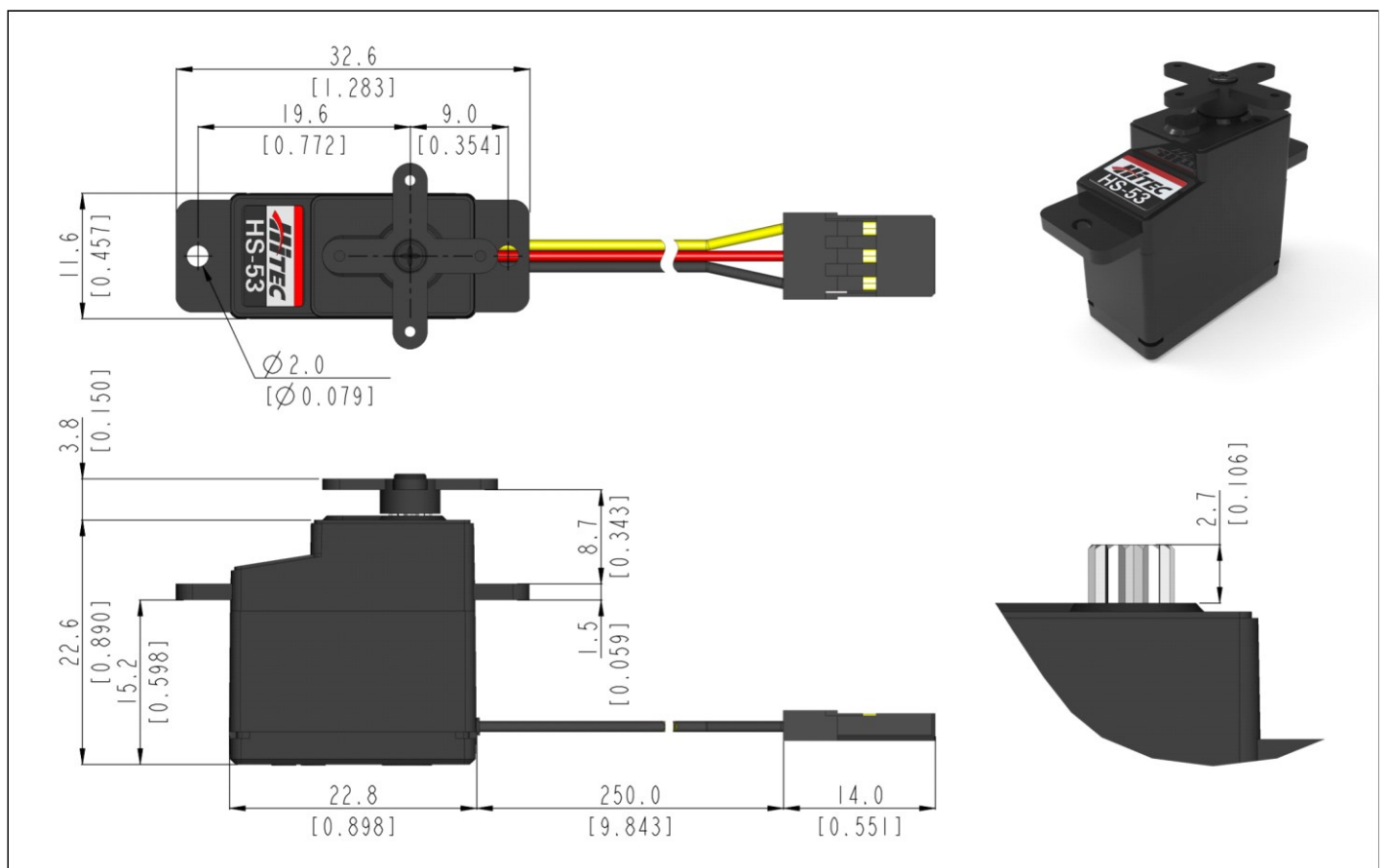


HS-53 General Specification.



Control System	PWM			-
Position Sensor Type	Contact Analog Potentiometer			-
Motor Type	Cored Metal Brush			At 25°C(±10%), 45%RH(±10%) <u>measurement environment</u>
Operating Voltage Range	4.8 ~ 6.0V			
Voltage	4.8V	6.0V	-	
No Load Speed	0.14sec/60°	0.11sec/60°	-	
Stall Torque	1.5kgf-cm (20.83oz-in)	1.9kgf-cm (26.39oz-in)	-	
Peak Efficiency Torque	0.3kgf-cm (4.2 oz-in)	0.4kgf-cm (5.6 oz-in)	-	
Standing Current	8mA	10mA	-	
No Load Running Current	200mA	250mA	-	
Stall Current	440mA	550mA	-	
Deadband	5μs	5μs	-	
Operating Travel	Default: ±60°, Non-programmable / Pulse Width: 900~2100μs(Center:1500μs)			-
Continuous Rotation	n/a			-
Operating Temperature Range	-20°C ~ +60°C (-4°F ~+140°F)			-
Storage Temperature Range	-30°C ~ +80°C (-22°F ~+176°F)			-
Connector Wire Length	250mm (9.843inch)			
Connector Wire Gauge	28AWG			
Dimensions	22.8mm x 11.6mm x 22.6mm (0.898inch x 0.457inch x 0.890inch)			General Tolerance ±0.1mm
Weight	8.0g (0.282oz)			Excluding the weight of Horn
Bearing Type	N/A			-
Case Material	Engineering Plastic			-
Gear Material	5 Resin Gears			-
Gear Train Backlash	Max 0.5°			-
Horn Gear Spline	15T(Ø4.0)			-
IP-Rating	IP4X			-
Servo Amplifier Type	Analog Contorller			-



3:2 scale (Unit : mm[inch])

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

