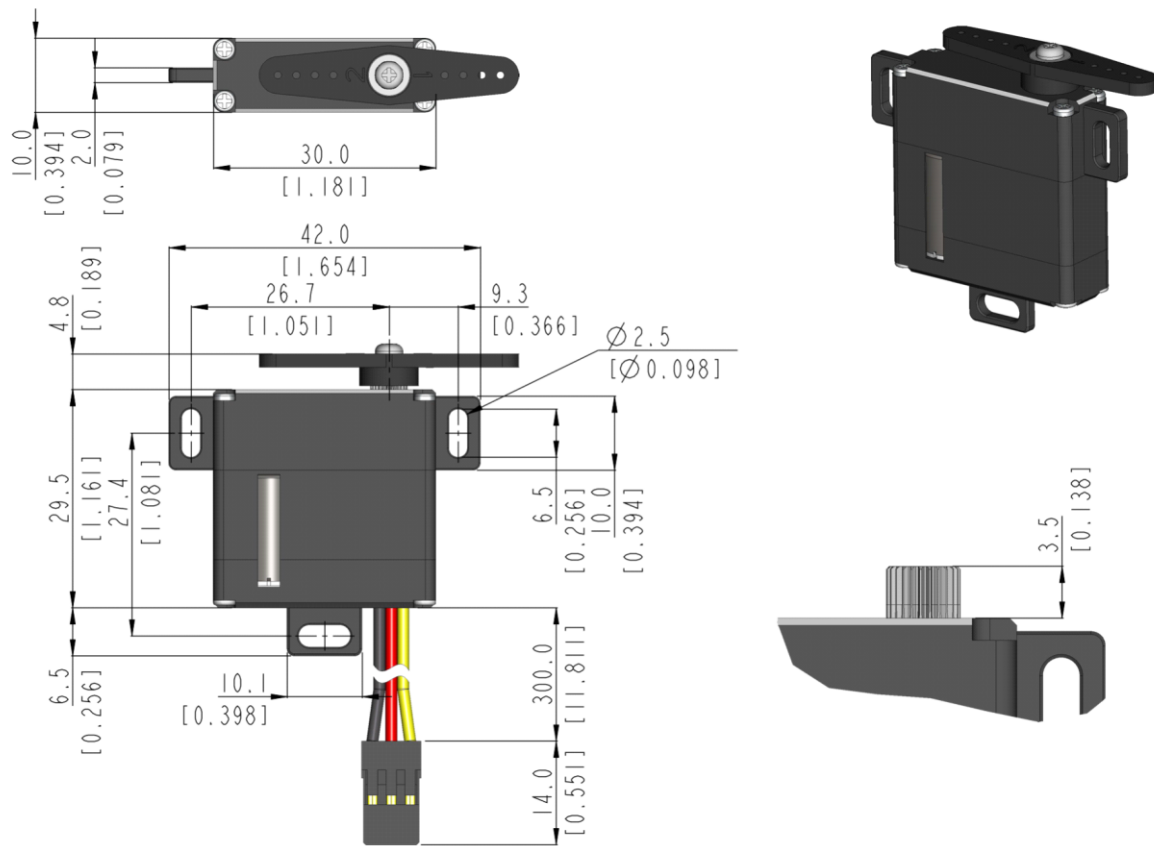


MD141SH General Specification.



Control System	PWM/TTL(Half Duplex)		-
Position Sensor Type	Contactless Magnetic Encoder		-
Motor Type	Coreless		At the Max voltage, it is recommended to be used only for a short time duration.
Operating Voltage Range	3.5 ~ 8.4V		
Voltage	-	6.0V	7.4V
No Load Speed	-	0.13sec/60°	0.10sec/60°
Stall Torque	-	5.7kgf-cm (79.16oz-in)	7.0kgf-cm (97.21oz-in)
Peak Efficiency Torque	-	1.1kgf-cm (15.83oz-in)	1.4kgf-cm (19.44oz-in)
Standing Current	-	30mA	30mA
No Load Running Current	-	130mA	160mA
Stall Current	-	2,000mA	2,500mA
Deadband	-	2μs	2μs
Operating Travel	Default: ±60°, Programmable: Max 320° / 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	300mm (11.811inch)		 <ul style="list-style-type: none"> 1. SIGNAL 2. VCC 3. GND
Connector Wire Gauge	24AWG		
Dimensions	30.0mm x 10.0mm x 29.5mm (1.181inch x 0.394inch x 1.161inch)		General Tolerance ±0.1mm
Weight	26.7g (0.942oz)		Excluding the weight of Horn
Bearing Type	2 Ball Bearing		-
Case Material	Aluminum Alloy		-
Gear Material	1 Metal-Plastic & 4 Steel Gears		-
Gear Train Backlash	Max 0.5°		-
Horn Gear Spline	M25T(Ø5)		-
IP-Rating	IP4X		-
Servo Amplifier Type	32bit Programmable Digital		-



1:1 scale (Unit : mm[inch])

This product should not be used directly on the human body for medical purposes.

All specifications are subject to change without notice.

Be careful as strong magnetic fields may cause malfunction of the product.

