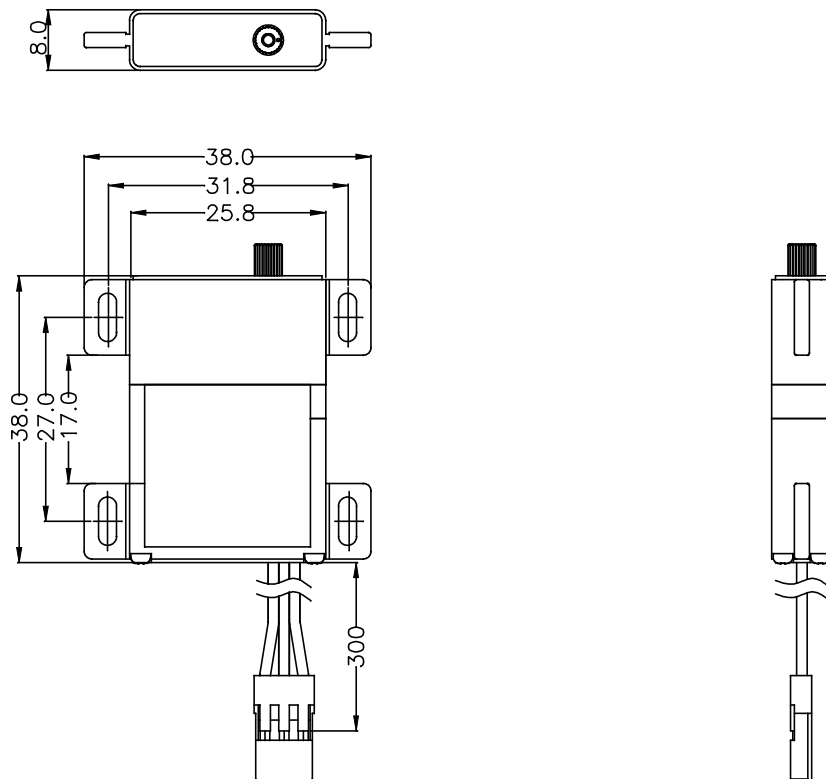


# GENERAL SPECIFICATION OF HS-7115TH ULTRA SLIM WING SERVO

1. TECHNICAL VALUE		
CONTROL SYSTEM	: +PULSE WIDTH CONTROL 1500usec NEUTRAL	
OPERATING VOLTAGE RANGE	: 6.0V TO 7.4V	
OPERATING TEMPERATURE RANGE	: -20°C TO +60°C (-4°F TO +140°F)	
TEST VOLTAGE	: AT 6.0V	AT 7.4V
OPERATING SPEED	: 0.12sec/60° AT NO LOAD	0.10sec/60° AT NO LOAD
STALL TORQUE	: 3.2kg.cm(44.44oz.in)	3.9kg.cm(54.16oz.in)
STANDING TORQUE	: -	-
IDLE CURRENT	: 10mA AT STOPPED	10mA AT STOPPED
RUNNING CURRENT	: 110mA/NO LOAD RUNNING	130mA/NO LOAD RUNNING
STALL CURRENT	: 1,250mA	1,500mA
DEAD BAND WIDTH	: 1usec	1usec
OPERATING TRAVEL	: 40±5°/ONE SIDE PULSE TRAVELING 400usec	
DIRECTION	: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec	
MOTOR TYPE	: 3 POLES METAL BRUSH	
POTENTIOMETER TYPE	: 2 SLIDER/500K CYCLE LONG LIFE/DIRECT DRIVE	
AMPLIFIER TYPE	: ATMEGA48 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE	
DIMENSIONS	: 26.0x8.0x38.0mm(1.02x0.79x1.49in)	
WEIGHT	: 20.0g(0.70oz)	
BALL BEARING	: DUAL/MR74,683	
GEAR MATERIAL	: 1 METAL-PLASTIC & 5 TITANIUM ALLOY	
HORN GEAR SPLINE	: 15 SEGMENTS/∅4.0	
SPLINED HORNS	: METAL & RESIN /M15-ML	
CONNECTOR WIRE LENGTH	: RIBBON TYPE/300mm(11.81in)	
CONNECTOR WIRE STRAND COUNTER	: 40EA	
CONNECTOR WIRE GAUGE	: 22AWG	



## 2. FEATURES

PROGRAMMABLE DIGITAL AMPLIFIER WITH MOSFET DRIVE  
 DURABLE TITANIUM ALLOY METAL GEARS WITH DUAL BALL BEARING  
 ULTRA SLIM SIZED

## 3. APPLICATIONS

GLIDER WING

<Unit : mm>

**HITEC RCD KOREA INC.**