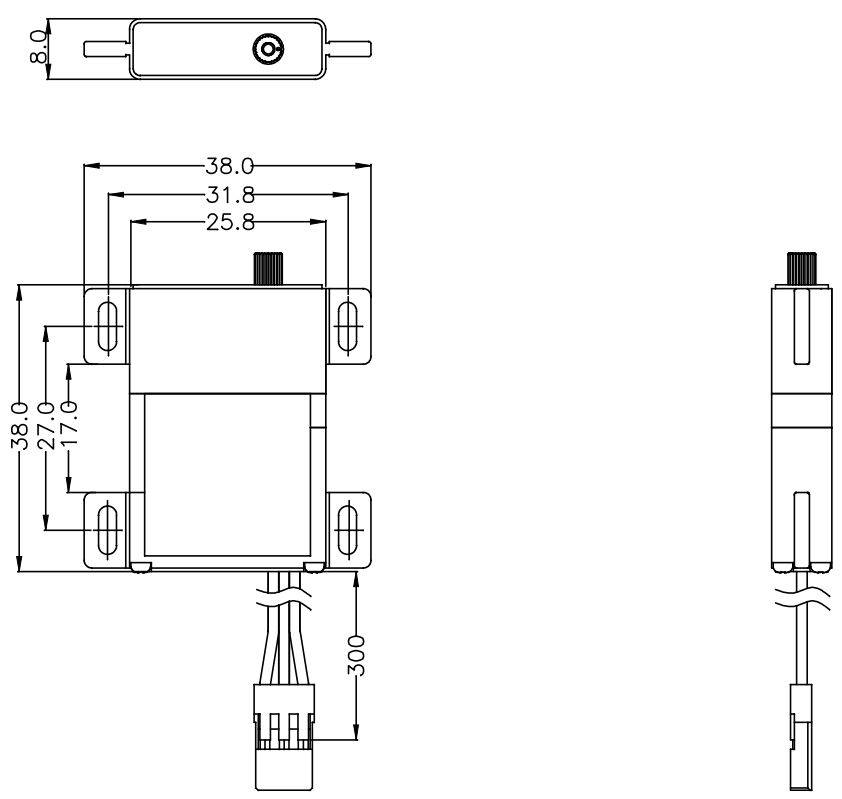


TARGET

PREPARED BY JUN HEE, LEE
START DATE: 2010.07.01
UPDATE: 2011.01.25

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
OPERATING SPEED	: 0.12sec/60° AT NO LOAD
STALL TORQUE	: 3.2kg.cm (44.44oz.in)
STANDING TORQUE	: -
IDLE CURRENT	: 10mA AT STOPPED
RUNNING CURRENT	: 110mA/NO LOAD RUNNING
STALL CURRENT	: 1,250mA
DEAD BAND WIDTH	: 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>