PREPARED BY JUN HEE, LEE BEGIN DATE:2014.11.18 UPDATE: 2017.04.19

AT 7.4V

0.17sec/60°

30mA AT STOPPED

## **GENERAL SPECIFICATION OF** MD845WP DIGATAL MEGA SCALE MONSTER TORQUE SERVO

1.TECHNICAL VALUE

CONTROL SYSTEM

OPERATING VOLTAGE RANGE OPERATING TEMPERATURE RANGE

TEST VOLTAGE

OPERATING SPEED

STALL TORQUE

STANDING TORQUE

IDLE CURRENT RUNNING CURRENT

STALL CURRENT

DEAD BAND WIDTH

INPUT SIGNAL OPERATING TRAVEL

DIRECTION

OPERATING LIFE

MOTOR TYPE

POTENTIOMETER TYPE

AMPLIFIER TYPE

**DIMENSIONS** 

WEIGHT

BALL BEARING

GEAR MATERIAL

HORN GEAR SPLINE

SPLINED HORNS

CONNECTOR WIRE LENGTH Duration of the test in water

:+PULSE WIDTH CONTROL 1500usec NEUTRAL

:4.8V TO 7.4V

:1,100mA

:6,000mA

:2usec

 $:-20^{\circ}C TO +60^{\circ}C(-4^{\circ}F TO +140^{\circ}F)$ 

AT 6.0V :AT 4.8V

:0.26sec/60° 0.21sec/60°

:32.5kg.cm(453.82oz.in) 40.5kg.cm(565.53oz.in) 50.0kg.cm(698.19oz.in)

:30mA AT STOPPED 30mA AT STOPPED

1,250mA

1,600mA 10,000mA 7,000mA

2usec 2usec

:+5.0V 1500usec±400usec(±600usec WITH TRIM) :40°/ONE SIDE PULSE TRAVELING 400usec

:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec

:CORED CARBON BRUSHS,5 POLES :INDIRECT DRIVE/ 1M CYCLE LONG LIFE

:DIGITAL AMPLIFIÉR WITH MOSFET DRIVE

::66.0x32.0x62.0mm(2.59x1.259x2.44in)

:227g(8.00oz)

:TWO MR148 :ONE METAL-KARBONITE, 4 STEEL

:13 SEGMENT / Ø7.7

:1 Metal & 2 Resins (Q-MIA, Q-XA & QIA)

:300mm(11.81in)

:1M /30min (IP67)

## 2.FEATURES

PROGRAMMABLE HIGH RESPONDENCE DIGITAL AMPLIFIER WITH MOSFET DRIVE

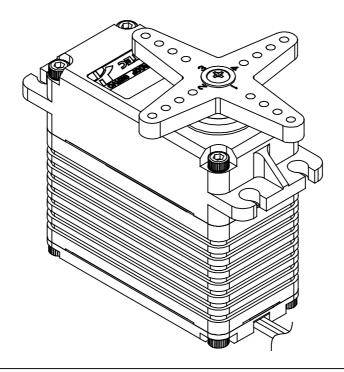
DURABLE STEEL GEARS WITH DUAL BALL BEARING

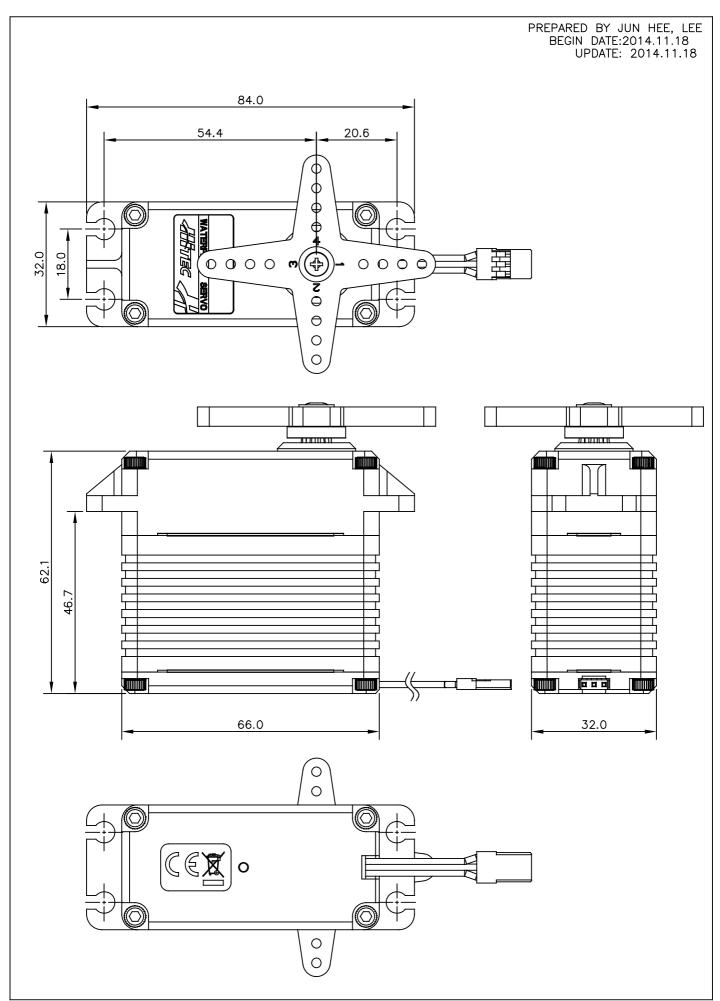
WATER & DUST RESISTANCE(IP67)

HEAT SINK FOR MOTOR

## 3.APPLICATIONS

AIRPLANE ,GASOLIN CAR, INDUSTRY, UAV, ROBOTICS & SPECIAL EFFECTS





HITEC RCD KOREA INC.