BEGIN DATE:2014.11.18 UPDATE: 2015.04.29

GENERAL SPECIFICATION OF D840WP DIGATAL MEGA SCALE MULTI PURPOSE SERVO

1.TECHNICAL VALUE

IDLE CURRENT

:+PULSE WIDTH CONTROL 1500usec NEUTRAL :4.8V TO 7.4V CONTROL SYSTEM OPERATING VOLTAGE RANGE

OPERATING TEMPERATURE RANGE $:-20^{\circ}C$ TO $+60^{\circ}C(-4^{\circ}F$ TO $+140^{\circ}F)$ TEST VOLTAGE :AT 4.8V

AT 7.4V AT 6.0V :0.17sec/60° 0.11sec/60° OPERATING SPEED 0.14sec/60° STALL TORQUE

:19.0kg.cm(265.31oz.in) 24.0kg.cm(335.13oz.in) 30.0kg.cm(418.91oz.in) STANDING TORQUE

:30mA AT STOPPED 30mA AT STOPPED 30mA AT STOPPED

RUNNING CURRENT :1100mA 1250mA 1600mA STALL CURRENT :5000mA 9000mA 6000mA DEAD BAND WIDTH :2usec 2usec 2usec

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

:CLÓCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION

OPERATING LIFE

MOTOR TYPE :CORED CARBON BRUSHS,5 POLES POTENTIOMETER TYPE :INDIRECT DRIVE / 1M CYCLE LONG LIFE AMPLIFIER TYPE :DIGITAL AMPLIFIER WITH MOSFET DRIVE **DIMENSIONS** ::66.0x32.0x62.0mm(2.59x1.259x2.44in)

WEIGHT :227g(8.00oz) BALL BEARING :TWO MR148

GEAR MATERIAL :ONE METAL-KARBONITE, 4 STEEL

HORN GEAR SPLINE

:13 SEGMENT / Ø7.7 :1 Metal & 2 Resins (Q-MIA, Q-XA & QIA) SPLINED HORNS

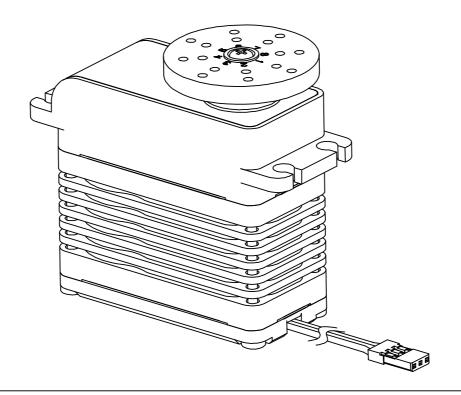
:300mm(11.81in) CONNECTOR WIRE LENGTH Duration of the test in water :1M /30min (IP67)

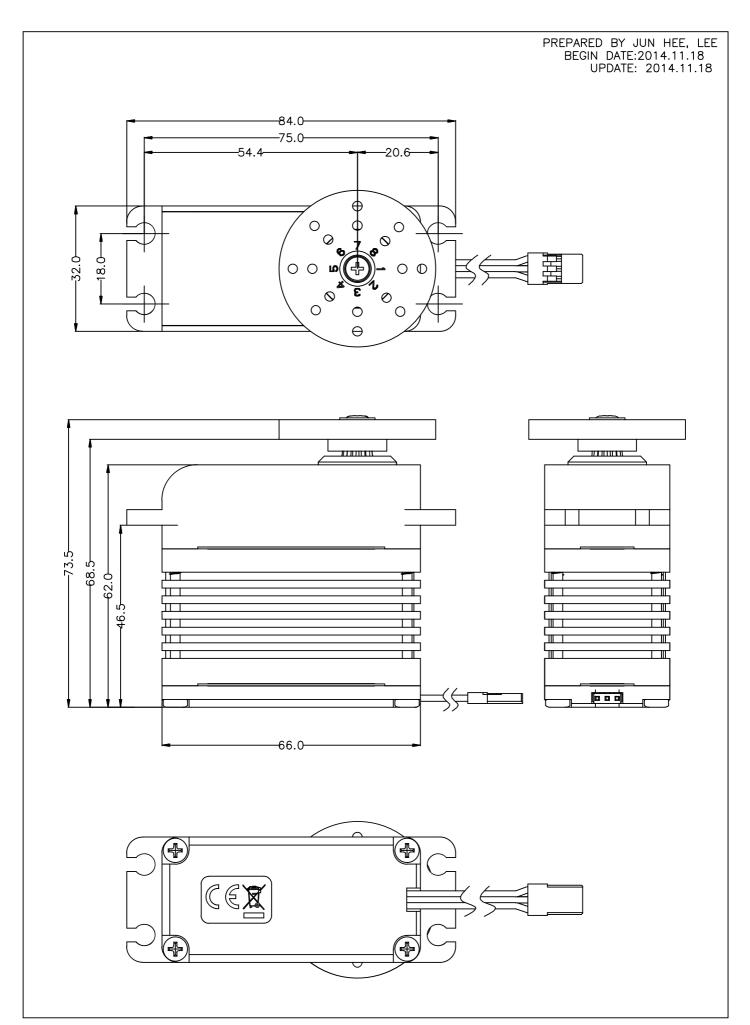
2.FEATURES

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.