GENERAL SPECIFICATION OF HS-646WP ULTRA TORQUE WATER PROOF SERVO

1.TECHNICAL VALUE

STANDING TORQUE IDLE CURRENT

RUNNING CURRENT

CONTROL SYSTEM :+PULSE WIDTH CONTROL 1500usec NEUTRAL

OPERATING VOLTAGE RANGE :6.0V TO 7.4V

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

OPERATING TEMPERATURE RANGE TEST VOLTAGE AT 7.4V :AT 6.0V

0.17sec/60° AT NO LOAD OPERATING SPEED :0.20sec/60° AT NO LOAD STALL TORQUE : 9.6kg.cm(133.32oz.in) 11.6kg.cm(161.09oz.in)

:8mA AT STOPPED 8mA AT STOPPED

:400mA/NO LOAD RUNNING 600mA/NO LOAD RUNNING

STALL CURRENT :2000mA 2200mA DEAD BAND WIDTH 4usec :4usec OPERATING TRAVEL :40±5°/ONE SIDE PULSE TRAVELING 400usec

:CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec DIRECTION

MOTOR TYPE :3-POLE FERRITE CORED CARBON BRUSH POTENTIOMETER TYPE :4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE AMPLIFIER TYPE :HT7003 ALALOG AMPLIFIER WITH TRANSISTOR DRIVE

DIMENSIONS : 41.8x21.0x40.0mm(1.65x0.83x1.57in)

WEIGHT :60g(2.12oz) BALL BEARING :DUAL/MR106

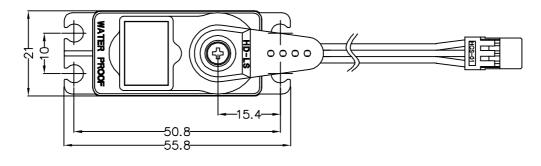
:3 Metal gears & 1 MP first gear GEAR MATERIAL

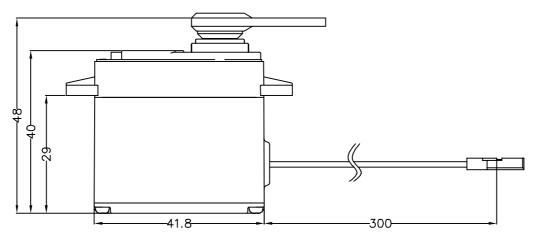
HORN GEAR SPLINE :24 SEGMENTS/Ø5.76

:HEAVY DUTY/HD-IS,HD-O,HD-LS,HD-IL,HD-LL SPLINED HORNS

CONNECTOR WIRE LENGTH : 300mm(11.81in)

CONNECTOR WIRE STRAND COUNTER :60EA CONNECTOR WIRE GAUGE :22AWG Duration of the test in water : 30min





2.FEATURES

IP67 WATER PROOF DURABLE METAL GEARS WITH BALL BEARING ULTRA TORQUE

HEAVY DUTY SPLINED HORNS

3.APPLICATIONS

60 HELCOPTERS GAS & ELECTRIC CARS **BOATS**