GENERAL SPECIFICATION OF
HS-5646WP ULTRA TORQUE WATER PROOF 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 : 0.2sec/60° AT NO LOAD
   STALL TORQUE : 11.3kg.cm (156.92oz.in)
   STANDING TORQUE : 12.8kg.cm (179.14oz.in)
   IDLE CURRENT : 4.5mA AT STOPPED
   RUNNING CURRENT : 270mA/NO LOAD RUNNING
   STALL CURRENT : 1670mA/
   DEAD BAND WIDTH : 4usec
   OPERATING TRAVEL : 40±8°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION : CLOCK WIDE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE : CORED METAL BRUSH
   POTENTIOMETER TYPE : 4 SLIDER/1M CYCLE LONG LIFE/INDIRECT DRIVE
   AMPLIFIER TYPE : ATMEGA48 MCU DIGITAL AMPLIFIER WITH MOSFET DRIVE
   DIMENSIONS : 41.8x21.0x40.0mm (1.65x0.83x1.57in)
   WEIGHT : 61g (2.15oz)
   BALL BEARING : DUAL MR106
   GEAR MATERIAL : 3 Metal gears & 1 MP first gear
   HORN GEAR SPLINE : 24 SEGMENTS/#5.76
   SPLINED HOMS : HEAVY DUTY/HO-15, HO-0, HO-LS, HO-IL, HO-LL
   CONNECTOR WIRE LENGTH : 300mm (11.8"in)
   CONNECTOR WIRE STRAND COUNTER : 0.08X60EA
   CONNECTOR WIRE GAUGE : 22AWG
   Duration of the test in water : 30min

2. FEATURES
   IP67 WATER PROOF CASE
   DURABLE METAL GEARS WITH BALL BEARING
   ULTRA TORQUE
   HEAVY DUTY SPLINED HOMS

3. APPLICATIONS
   60 HELICOPTERS
   GAS & ELECTRIC CARS
   BOATS

HITEC RCD KOREA INC.