ANNOUNCED SPECIFICATION OF
HS-311 STANDARD SERVO

1. TECHNICAL VALUE
   CONTROL SYSTEM: PULSE WIDTH CONTROL 1500usec NEUTRAL
   OPERATING VOLTAGE RANGE: 4.8V TO 6.0V
   TEST VOLTAGE: AT 4.8V AT 6.0V
   OPERATING SPEED: 0.19sec/60° AT NO LOAD 0.15sec/60° AT NO LOAD
   STALL TORQUE: 3.0kg.cm(42oz.in) 3.5kg.cm(48.60oz.in)
   IDLE CURRENT: 7.4mA AT STOPPED 7.7mA AT STOPPED
   RUNNING CURRENT: 160mA/60° AT NO LOAD 180mA/60° AT NO LOAD
   STALL CURRENT: 700mA 800mA
   DEAD BAND WIDTH: 5usec 5usec
   OPERATING TRAVEL: 40° ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE: CORE METAL BRUSH
   POTENTIOMETER TYPE: 4 SLIDER/DIRECT DRIVE
   AMPLIFIER TYPE: ANALOG CONTROLLER & TRANSISTOR DRIVER
   DIMENSIONS: 40x20x36.5mm(1.57x0.78x1.43in)
   WEIGHT: 43g(1.51oz)
   BALL BEARING: TOP/RESIN BUSHING
   GEAR MATERIAL: RESIN
   HORN GEAR SPLINE: 24 SEGMENTS/5.76
   SPLINED HORNS: SUPER/R-XA
   CONNECTOR WIRE LENGTH: 300mm(11.81in)
   CONNECTOR WIRE STRAND COUNTER: 40EA
   CONNECTOR WIRE GAUGE: 40EA

2. FEATURES
   LONG LIFE POTENTIOMETER, TOP RESIN BUSHING

3. APPLICATIONS
   AIRCRAFT 20-40 SIZE, STEERING AND THROTTLE SERVO FOR CARS, TRUCK AND BOATS

4. ACCESSORY & OPTION
   CASE SET:
   HS322T: 1EA
   HS322M: 1EA
   HS322L: 1EA
   PH/TZ 2x30 NI: 4EA

   GEAR SET:
   HS322G1: 1EA
   HS322G2: 1EA
   HS322G3: 1EA
   HS322G4: 1EA
   HS300RB: 1EA

   HORN SET:
   R-XA: 1EA

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UPDATE: APR 01, 2002

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