ANNOUNCED SPECIFICATION OF
HS-422 STANDARD DELUXE SERVO

1. TECHNICAL VALUE
   CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
   OPERATING VOLTAGE RANGE: 4.8V TO 6.0V
   OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-68°F TO +140°F)
   TEST VOLTAGE: AT 4.8V
   OPERATING SPEED: 0.21sec/60° AT NO LOAD 0.16sec/60° AT NO LOAD
   STALL TORQUE: 3.1kg.cm (43.05oz.in) 3.9kg.cm (54.15oz.in)
   STANDING TORQUE: 2.5kg.cm (34.71oz.in) / 5° HOLD OUT 3.1kg.cm (43.05oz.in) / 5° HOLD OUT
   IDLE CURRENT: 8mA AT STOPPED 8mA AT STOPPED
   RUNNING CURRENT: 150mA / 60° AT NO LOAD RUNNING 180mA / 60° AT NO LOAD RUNNING
   STALL CURRENT: 600mA 750mA
   DEAD BAND WIDTH: 5usec 5usec
   OPERATING TRAVEL: ± 40° / ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE / PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE: CORED / METAL BRUSH
   POTENTIOMETER TYPE: 6 SLIDER / INDIRECT DRIVE
   AMPLIFIER TYPE: ANALOG AMPLIFIER
   DIMENSIONS: 40.6x19.8x36.6mm (1.59x0.77x1.44in)
   WEIGHT: 45.5g (1.6oz)
   BALL BEARING: DUAL OILITE BUSHING
   GEAR MATERIAL: POM RESIN
   HORN GEAR SPLINE: 24 SEGMENTS / #5.76
   SPLINED HORN: REGULAR, R-C, R-D, R-I, R-O, R-X
   CONNECTOR WIRE LENGTH: 300mm (11.81in)
   CONNECTOR WIRE STRAND COUNTER: 40EA
   CONNECTOR WIRE GAUGE: 25AWG

2. FEATURES
   LONG LIFE
   DUAL OILITE BUSHING
   INDIRECT POTentiOMETER DRIVE

3. APPLICATIONS
   AIRCRAFT 20–60 SIZE
   30 SIZE HELICOPTERS
   STEERING AND THROTTLE SERVO FOR CARS
   TRUCK AND BOATS

HITEC RCD KOREA INC.