ANNOUNCED SPECIFICATION OF
HS-322HD STANDARD DELUXE SERVO

1. TECHNICAL VALUE

CONTROL SYSTEM: +PULSE WIDTH CONTROL 1500usec NEUTRAL
OPERATING TEMPERATURE RANGE: -20°C TO +60°C (-68°F TO +140°F)
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: 3kg.cm(41.66oz.in) 3.7kg.cm(51.38oz.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: 5°/sec 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: 2 HEAVY DUTY RESIN
HORN GEAR SPLINE: 24 SEGMENTS/#5.76
SPLINED HORNS: REGULAR/R-C,R-D,R-I,R-O,R-X,SUPER/R-XA
CONNECTOR WIRE LENGTH: 300mm(11.81in)
CONNECTOR WIRE STRAND COUNTER: 40EA
CONNECTOR WIRE GAUGE: 25AWG

2. FEATURES

LONG LIFE POTENTIOMETER, TOP RESIN BUSHING, 2 HEAVY DUTY RESIN GEAR

3. APPLICATIONS

AIRCRAFT 20-40 SIZE, STEERING AND THROTTLE SERVO FOR CARS, TRUCK AND BoATS

HITEC RCD KOREA INC.