GENERAL SPECIFICATION OF
HS-53 FEATHER 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(-4°F TO +140°F)
   TEST VOLTAGE: AT 4.8V
   OPERATING SPEED: 0.16sec/60° AT NO LOAD 0.13sec/60° AT NO LOAD
   STALL TORQUE: 1.2kg.cm(16.66oz.in) 1.5kg.cm(20.8oz.in)
   STANDING TORQUE: 1.0kg.cm(13.88oz.in)/5° HOLDOUT 1.2kg.cm(16.66oz.in)/5° HOLDOUT
   IDLE CURRENT: 8mA AT STOPPED 10mA AT STOPPED
   RUNNING CURRENT: 100mA/60° AT NO LOAD 125mA/60° AT NO LOAD
   STALL CURRENT: 440mA 550mA
   DEAD BAND WIDTH: 5usec
   OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   ROTATIONAL LIFE: 5,000cycle MIN/0.4kg.cm LOADED
   GEAR STRENGTH: 2.0kg.cm(27.77oz.in) MIN
   MOTOR TYPE: CORED METAL BRUSH
   POTENTIOMETER TYPE: 2 SLIDER/DIRECT DRIVE
   AMPLIFIER TYPE: ANALOG SMT
   DIMENSIONS: 28.6x11.6x24.1mm(1.12x0.45x0.95in)
   WEIGHT: 8g(0.28oz)
   BALL BEARING: NON
   GEAR MATERIAL: POM NORMAL RESIN
   HORN GEAR SPLINE: 15 SEGMENTS/P4
   SPLINED HORTS: FEATHER/FS-X,FS-IS,FS-IL
   CONNECTOR WIRE LENGTH: 250mm(9.84in)
   CONNECTOR WIRE STRAND COUNTER: 20 EA
   CONNECTOR WIRE GAUGE: 28AWG

2. FEATURES
   HIGH IMPACT GEARS

3. APPLICATIONS
   FAST PARK FLYING MODELS. ELECTRIC MICRO PLANE, MAV

HITEC RCD KOREA INC.