GENERAL SPECIFICATION OF
HS-5055MG DIGITAL MICRO 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 AT 6.0V
   OPERATING SPEED: 0.2sec/60° AT NO LOAD 0.17sec/60° AT NO LOAD
   STALL TORQUE: 1.3kg.cm (18.05oz.in) 1.6kg.cm (22.2oz.in)
   IDLE CURRENT: 8mA AT STOPPED 8mA AT STOPPED
   RUNNING CURRENT: 120mA/60° AT NO LOAD 150mA/60° AT NO LOAD
   STALL CURRENT: 500mA 700mA
   DEAD BAND WIDTH: 6usec 6usec
   OPERATING TRAVEL: 40°/ONE SIDE PULSE TRAVELING 400usec
   DIRECTION: CLOCK WISE/PULSE TRAVELING 1500 TO 1900usec
   MOTOR TYPE: CORED METAL BRUSH
   POTENTIOMETER TYPE: 2 SLIDER/DIRECT DRIVE
   AMPLIFIER TYPE: DIGITAL AMPLIFIER & MOSFET DRIVER
   DIMENSIONS: 22.8x11.6x24mm (0.89x0.45x0.94in)
   WEIGHT: 9.5g (0.33oz)
   GEAR MATERIAL: 1 RESIN/4 METAL
   HORN GEAR SPLINE: 15 SEGMENTS/φ4
   SPLINED HORNS: 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
   LOW WEIGHT
   TWO ADJUSTABLE SPLINED HORNS

3. APPLICATIONS
   SMALL PLANES
   GLIDERS
   ELECTRIC HELI

HITEC RCD KOREA INC.